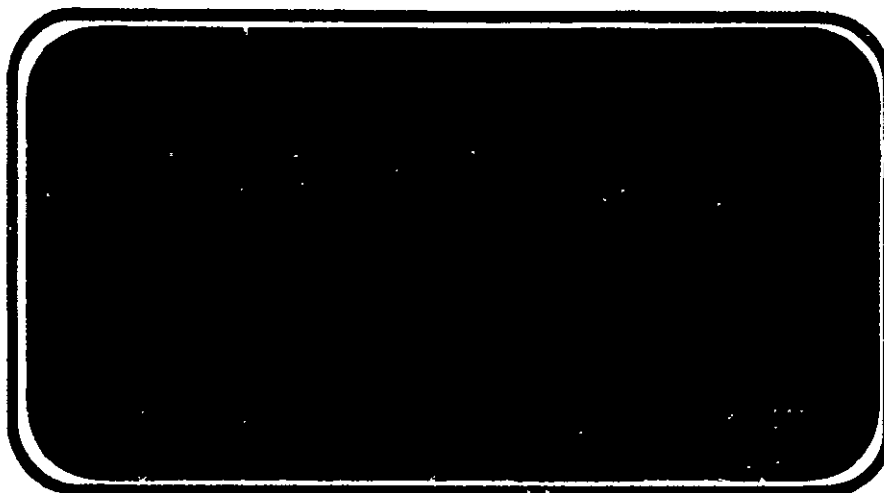




# NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

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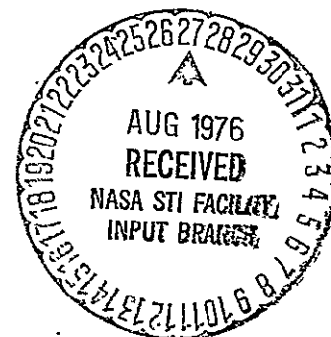
(NASA-CR-147610) SHUTTLE MODEL TAILCONE  
PRESSURE DISTRIBUTION AT LOW SUBSONIC SPEEDS  
OF A 0.03614-SCALE MODEL IN THE NASA/LARC  
LOW-TURBULENCE PRESSURE TUNNEL (LA81),  
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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT

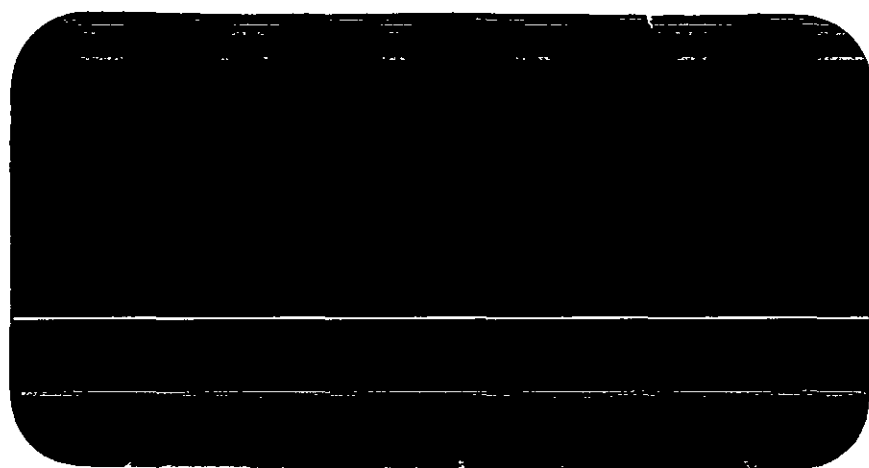


JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA Management services





June, 1976

DMS-DR-2296  
NASA CR-147,610

VOLUME 2 OF 2

SHUTTLE MODEL TAILCONE PRESSURE  
DISTRIBUTION AT LOW SUBSONIC SPEEDS OF  
A 0.03614-SCALE MODEL IN THE NASA/LaRC  
LOW-TURBULENCE PRESSURE TUNNEL (LA81)

Prepared under NASA Contract Number NAS9-13247

by

Data Management Services  
Chrysler Corporation Space Division  
New Orleans, La. 70189

for

Engineering Analysis Division

Johnson Space Center  
National Aeronautics and Space Administration  
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: LaRC LTPT 229  
NASA Series Number: LA81  
Model Number: None  
Test Dates: January 16 through 23, 1976  
Occupancy Hours: 120

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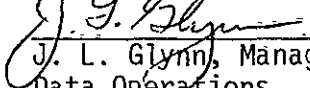
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SHUTTLE MODEL TAILCONE PRESSURE DISTRIBUTION  
AT LOW SUBSONIC SPEEDS OF A  
0.03614-SCALE MODEL IN THE NASA/LaRC LOW-TURBULENCE  
PRESSURE TUNNEL (LA81)

ABSTRACT

An investigation was conducted in the NASA/LaRC Low-Turbulence Pressure Tunnel on a 0.03614-scale orbiter model of a 089B configuration with a 139B configuration nose forward of F.S. 500. The tailcone was the TC<sub>4</sub> design and was instrumented with eighty-nine pressure orifices. Control surfaces were deflected and three wind tunnel mounting techniques were investigated over an angle-of-attack range from -2° to a maximum of 18°.

In order to determine the sensitivity of the tailcone to changes in Reynolds number, most of the test was made at a Mach number of 0.20 over a Reynolds number range of 2.0 to 10.0 X 10<sup>6</sup> per foot. A few runs were made at a Mach number of 0.30 at Reynolds numbers of 4.0, 6.0, and 8.0 X 10<sup>6</sup> per foot.

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SCHEDULE OF COEFFICIENTS PLOTTED:

(A)  $C_p$  versus  $\phi$

## INTRODUCTION

The investigation was conducted in the NASA/LaRC Low-Turbulence Pressure Tunnel during the time period from January 16 through 23, 1976. The model was a Langley-built 0.03614-scale orbiter model of a 089B configuration with a 139B configuration nose forward of F.S. 500. The tailcone was the TC<sub>4</sub> design. The model was distorted at the wing-tips to allow attachment to the tunnel walls. The objectives of the test were to:

1. Determine the pressure distribution over the tailcone for structural design purposes.
2. Determine the sensitivity of the tailcone to changes in Reynolds number.
3. Determine the interference effects of three types of wind tunnel mounting techniques on the tailcone. The three investigated were a vertical tail blade support, a bottom blade support, and a rear sting support.

Eighty-nine pressure readings were made over the tailcone as the model went through an angle-of-attack range from  $-2^\circ$  to a maximum of  $18^\circ$ . Because of the wing-tip mounting system, it was not possible to sideslip the model.

Most of the test was made at a Mach number of 0.20 over a Reynolds number range of 2 to  $10 \times 10^6$  per foot. A few runs were made at a Mach number of 0.30 at Reynolds numbers of 4.0, 6.0, and  $8.0 \times 10^6$  per foot.

This report for LA81 consists of two volumes. Volume 1 contains plotted data figures; Volume 2 consists of tabulated source data.

# NOMENCLATURE

<u>SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
$C_p$	CP	pressure coefficient; $(p_\ell - p_\infty)/q$
	CONFIG	configuration
	F.S.	fuselage station
	FRL	fuselage reference line
$\ell$	L	length, in.
M	MACH	Mach number; $V/a$
p		pressure; N/m <sup>2</sup> , psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$ , N/m <sup>2</sup> , psf
RN/L	RN/L	unit Reynolds number; per m, per ft.
	TAP NO	tap number
V		velocity; m/sec, ft/sec
X	X	longitudinal location, in.
$X/\ell_b$	X/LB	longitudinal location divided by body length
Y	Y	lateral location, in.
Z	Z	vertical location, in.
$\alpha$	ALPHA	angle of attack, deg.
$\beta$	BETA	angle of sideslip, deg.
$\delta_a$	AILRON	aileron deflection, deg.
$\delta_e$	ELEVON	elevon deflection, deg.

## NOMENCLATURE (Concluded)

<u>SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
$\delta_{SB}$	SPDBRK	speedbrake deflection, deg.
$\phi$	PHI	radial angle, deg.
$\rho$	RHO	mass density; kg/m <sup>3</sup> , slugs/ft <sup>3</sup>

### Reference & C.G. Definitions

b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
$\frac{l}{c}_{REF}$	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m <sup>2</sup> , ft <sup>2</sup>
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

### SUBSCRIPTS

a	aileron
b	body
e	elevon
l	local
p	pressure
s	static conditions
SB	speedbrake
t	total conditions
o	orbiter
$\infty$	freestream



## CONFIGURATIONS INVESTIGATED

The configuration tested was a 0.03614-scale model of a blended Rockwell International shuttle configuration. The model consisted of a 089B configuration with a 139B configuration nose forward of F.S. 500. The OMS pods were the newer blunt design (M<sub>16</sub>). The wing-tips were distorted outboard of F.S. Y = 368 to allow attachment to the tunnel walls (Figure 1). The tailcone was the TC<sub>4</sub> lines hand faired into the 089B base and was not vented to the freestream.

### Component:

B	Body 089B with 139B modified nose per Rockwell Drawing VL70-000093.
W	Wing per Rockwell Drawing VL70-000093, modified at outer panel for attachment to tunnel wall.
E	Elevons per Rockwell Drawing VL70-000093.
V	Vertical tail per Rockwell Drawing VL70-000093.
R	Rudder per Rockwell Drawing VL70-000093.
TC <sub>4</sub>	Tailcone per Rockwell Drawing BCD V70-43-112.
M <sub>16</sub>	OMS pods per Rockwell Drawing VL70-008401.

## TEST FACILITY DESCRIPTION

The tests were conducted in the Langley Low-Turbulence Pressure Tunnel, which is a variable-pressure, single return facility with a closed rectangular test section that is 0.914 meter (3.00 ft.) wide and 2.290 meters (7.50 ft.) high. The tunnel can accommodate tests in air at low subsonic Mach numbers and at a Reynolds number per unit length up to about  $49.2 \times 10^6$  per meter ( $15.0 \times 10^6$  per ft.).

## DATA REDUCTION

Tunnel conditions during the test are summarized in Table I and the configurations tested are shown in Table II. The model was wing-tip mounted and the 89 pressure orifices located in the tailcone read by means of pressure transducers and scani-valves. The model was pitched over an angle-of-attack range from  $-2^\circ$  to a maximum of  $18^\circ$ . The maximum angle of attack was limited by model strength and therefore decreased as dynamic pressure (and Reynolds number) increased. Because of the wing-tip mounting system, it was not possible to sideslip the model. The angle-of-attack values presented are indicated angles-of-attack taken from the wing-tips at the tunnel walls and do not include deflection of the model under loads. It was felt that the tailcone pressures would be insensitive to small changes in angle-of-attack so no corrections to the data have been applied.

The pressure data were obtained using pressure transducers and scani-valves. The pressures measured were the difference between the local pressures over the model tailcone and the tunnel test section static pressures. The data are presented in terms of pressure coefficients which required the measured pressures to be divided by the test dynamic pressure.

TABLE I

TEST : LTPT 229

DATE : 1/23/76 .

## TEST CONDITIONS

[illegible]

BALANCE UTILIZED:

CAPACITY:

ACCURACY:

COEFFICIENT  
TOLERANCE:

NF

SF

AF

PM

RM

YM

COMMENTS:

TABLE II.

TEST: LARC LTPT 229(LAB1)				DATA SET/RUN NUMBER COLLATION SUMMARY					DATE: 4/8/76 - REVISED								
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES				NO. OF RUNS	RN/L NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) x 10 <sup>6</sup>								
		$\alpha$	$\beta$	$S_e$	$S_z$	$S_{SD}$	M		2.0	4.0	6.0	8.0	10.0				
RJPC03	WBEVRTC4	A	0	0	0	0	.2	1	3								
04	WBERTC4 + $V_F$ STRUT	D						1		4							
05		E						1			5						
06		F						1				6					
07		G						1					7				
08		A						1	8								
09		D						1		9							
10		F						1			10						
11		F						1				11					
12		G						1					12				
13		H						.3	1				13				
14	WBEVRTC4 + SPDBRK	F						1			14						
15		A			25	.2		1	15								
16		D						1		16							
17		E						1			17						
18		F	Y	Y	Y	Y	Y	1				18					
CP																	
TYPE OF DATA		COEFFICIENT SCHEDULES							RN/L		ALPHA						
$\alpha$ OR $\beta$											IDVAR (1) IDVAR (2) NOV						
SCHEDULES																	

TABLE II. - Continued.

[illegible]

TABLE II.-Concluded.

TEST: LARC LTPT 229(LA01)		DATA SET/RUN NUMBER COLLATION SUMMARY							DATE: 4/8/76 - REVISED						
DATA SET IDENTIFIER	CONFIGURATION	SCHED.		PARAMETERS/VALUES				NO. OF RUNS	RNL NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) $\times 10^6$						
		$\alpha$	$\beta$	$S_e$	$S_L$	$S_{SB}$	M		2.0	4.0	6.0	8.0	10.0		
RJPC 35	WBEVRTC4 + SPDBRK	G	0	0	0	55	.2	1						35	
36	WBEVRTC4 + SPDBRK STING	A				25		1		36*					
37		D						1			37				
38		E						1				38			
39		F						1					39		
40		G					Y	1						40	
41		G					.3	1					41		
42		F						1				42			
43		E					Y	1			43				
44		WBEVRTC4 + SPDBRK BOTTOM STEUT	B				.2	1		54					
45		D						1			51				
46		E						1				49			
Y 47	Y	F	Y	Y	Y	Y	Y	1					50		

TABLE III.  
MODEL DIMENSIONAL DATA

MODEL COMPONENT : BODY - 089B-139B (Modified Nose)

GENERAL DESCRIPTION : Nose section from full-scale station 238.0 to  
STA. 500 from NAR drawing VL70-000139B. Remaining body AFT of STA  
500 from NAR drawing VL70-000093.

DRAWING NUMBER : VL70-000093

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length - In.	<u>1290.3</u>	<u>46.63</u>
Max Width - In.	<u>265.0</u>	<u>9.577</u>
Max Depth - In.	<u>248.0</u>	<u>8.963</u>
Fineness Ratio	<u>4.869</u>	<u>4.869</u>
Area - Ft <sup>2</sup>		
Max. Cross-Sectional	<u>456.40</u>	<u>0.596</u>
Planform	<u>          </u>	<u>          </u>
Wetted	<u>          </u>	<u>          </u>
Base	<u>          </u>	<u>          </u>



TABLE III. - (Continued)

MODEL COMPONENT: WINGGENERAL DESCRIPTION: Orbiter Configuration per Lines VL70-000093.

NOTE: (Dihedral angle is defined at the lower surface of the wing at the

75.33% element line projected into a plane perpendicular to the FRL).

SCALE MODEL = 0.03614 Outer panels modified outboard of  $\frac{1}{2}$ =368 (F.S.) to allow attachment to tunnel walls.DRAWING NUMBER: VL70-000093

DIMENSIONS: FULL-SCALE MODEL SCALE

TOTAL DATA

Area - Ft <sup>2</sup>		
Planform	2690.00	3.513
Wetted	-----	-----
Span (equivalent) - In.	936.68	33.85
Aspect Ratio	2.265	2.265
Rate of Taper	1.177	1.177
Taper Ratio	0.200	0.200
Dihedral Angle, degrees	3.500	3.500
Incidence Angle, degrees	3.000	3.000
Aerodynamic Twist, degrees	+3.000	+3.000
Toe-In Angle		
Cant Angle		
Sweep Back Angles, degrees		
Leading Edge	45.000	45.000
Trailing Edge	-10.24	-10.24
0.25 Element Line	35.209	35.209
Chords:		
Root (Wing Sta. 0.0)	689.24	24.909
Tip, (equivalent)	137.85	4.98
MAC	474.81	17.160
Fus. Sta. of .25 MAC	1136.89	41.087
W.P. of .25 MAC	299.20	10.813
B.L. of .25 MAC	182.13	6.582
Airfoil Section		
Root		
Tip		

EXPOSED DATA

Area - Ft <sup>2</sup>	1752.29	2.288
Span, (equivalent) - In.	720.68	26.05
Aspect Ratio	2.058	2.058
Taper Ratio	0.2451	0.2451
Chords		
Root	562.40	20.325
Tip	137.85	4.982
MAC	393.03	14.204
Fus. Sta. of .25 MAC	1185.31	42.837
W.P. of .25 MAC	300.20	10.849
B.L. of .25 MAC	143.76	5.195

TABLE III. (Continued)  
MODEL DIMENSIONAL DATA

MODEL COMPONENT : ELEVON

GENERAL DESCRIPTION : CONFIGURATION PER LINES VL70-000093.

DATA FOR (1) OF (2) SIDES.

MODEL SCALE = 0.03614

DRAWING NUMBER . VL70-000093

DIMENSIONS :	FULL SCALE	MODEL SCALE
Area - Ft <sup>2</sup>	<u>205.517</u>	<u>0.2684</u>
Span (equivalent) - In.	<u>353.34</u>	<u>12.77</u>
Inb'd equivalent chord - In.	<u>114.78</u>	<u>4.148</u>
Outb'd equivalent chord - In.	<u>55.00</u>	<u>1.99</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>.208</u>	<u>.208</u>
At Outb'd equiv. chord	<u>.400</u>	<u>.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0.00</u>	<u>0.00</u>
Trailing Edge	<u>-10.02</u>	<u>-10.02</u>
Hingeline	<u>0.00</u>	<u>0.00</u>
Area Moment (Normal to hinge line)-Ft <sup>3</sup>	<u>1548.07</u>	<u>0.0729</u>

TABLE III. - (Continued)  
MODEL DIMENSIONAL DATA

MODEL COMPONENT : Vertical Tail

GENERAL DESCRIPTION : Centerline vertical tail double wedge airfoil  
with rounded leading edge.

Scale Model = 0.03614

DRAWING NUMBER : VL70-000093

DIMENSIONS :	FULL SCALE	MODEL SCALE
Area - Ft. <sup>2</sup>	<u>413.25</u>	<u>0.540</u>
Span (equivalent) - In.	<u>315.72</u>	<u>11.41</u>
Inb'd equivalent chord - In.	<u>268.50</u>	<u>9.704</u>
Outb'd equivalent chord - In.	<u>108.47</u>	<u>3.92</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>          </u>	<u>          </u>
At Outb'd equiv. chord	<u>          </u>	<u>          </u>
Sweep Back Angles, degrees		
Leading Edge	<u>45</u>	<u>45</u>
Trailing Edge	<u>26.249</u>	<u>26.249</u>
Hingeline	<u>          </u>	<u>          </u>
Area Moment (Normal to hinge line)	<u>          </u>	<u>          </u>

TABLE III. - (Continued)  
MODEL DIMENSIONAL DATA

MODEL COMPONENT : RUDDER

GENERAL DESCRIPTION : CONFIGURATION PER LINES VL70-000093

SCALE MODEL = 0.03614

DRAWING NUMBER . VL70-000093

DIMENSIONS	FULL SCALE	MODEL SCALE
Area - Ft <sup>2</sup>	<u>106.38</u>	<u>0.1389</u>
Span (equivalent) - In.	<u>201.0</u>	<u>7.264</u>
Inb'd equivalent chord - In.	<u>91.585</u>	<u>3.31</u>
Outb'd equivalent chord - In.	<u>50.833</u>	<u>1.837</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
At Outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u>34.83</u>	<u>34.83</u>
Trailing Edge	<u>26.25</u>	<u>26.25</u>
Hingeline	<u>34.83</u>	<u>34.83</u>
Area Moment (Normal to hinge line)-Ft <sup>3</sup>	<u>526.125</u>	<u>0.0248</u>

TABLE III. (Continued)  
MODEL DIMENSIONAL DATA

MODEL COMPONENT : TC4 - ORBITER TAILCONE

GENERAL DESCRIPTION : Fairing mounted on orbiter fuselage base for  
ferry missions configuration.

MODEL SCALE : 0.03614

DRAWING NUMBER : BCD V70-43-112, SS-A01452

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length -- In.	<u>435.76</u>	<u>15.75</u>
Max Width	<u>300.80</u>	<u>10.87</u>
Max Height	<u>266.40</u>	<u>9.63</u>
Fineness Ratio	<u></u>	<u></u>
Area - Ft <sup>2</sup>	<u></u>	<u></u>
Max. Cross-Sectional	<u>462.37</u>	<u>0.60</u>
Planform	<u>635.80</u>	<u>0.83</u>
Wetted	<u></u>	<u></u>
Base	<u></u>	<u></u>

TABLE III. (Concluded).  
MODEL DIMENSIONAL DATA

MODEL COMPONENT : OMS PODS - M<sub>16</sub>  
GENERAL DESCRIPTION : Configuration 140C orbiter OMS pods - short pods.  
  
  
MODEL SCALE: 0.03614  
DRAWING NUMBER : VL70-008401; SS-A00147

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (OMS Fwd Sta $X_0=1310.5$ ), In.	<u>258.50</u>	<u>9.342</u>
Max Width (@ $X_0 = 1511$ ), In.	<u>136.8</u>	<u>4.944</u>
Max Depth (@ $X_0 = 1511$ ), In.	<u>74.70</u>	<u>2.70</u>
Fineness Ratio	<u>2.484</u>	<u>2.484</u>
Area - Ft <sup>2</sup>	<u></u>	<u></u>
Max. Cross-Sectional	<u>58.864</u>	<u>0.0769</u>
Planform	<u></u>	<u></u>
Wetted	<u></u>	<u></u>
Base	<u></u>	<u></u>

TABLE IV. - TAP LOCATIONS.

TAP NO.	$X_0$	$X/LB$	$\phi$
10*	<u>1525</u>	<u>.997</u>	0.0
16			27.8
27*			44.8
30			50.1
37			67.2
41			93.0
49			101.4
45			103.4
56			115.6
63			133.8
71			149.1
75			159.5
86			180.0
88	<u>1550</u>	<u>1.017</u>	0.0
9*			0.0
26*			44.8
29			50.1
55			115.6
62			133.8
70			149.1
85			180.0
89	<u>1600</u>	<u>1.055</u>	0.0
8*			0.0
15			28.7
25*			44.8
28			50.1
48			101.4
54			115.6
61			133.8
69			149.1
84			180.0

\* Indicates orifice on tailcone in body flap recess.

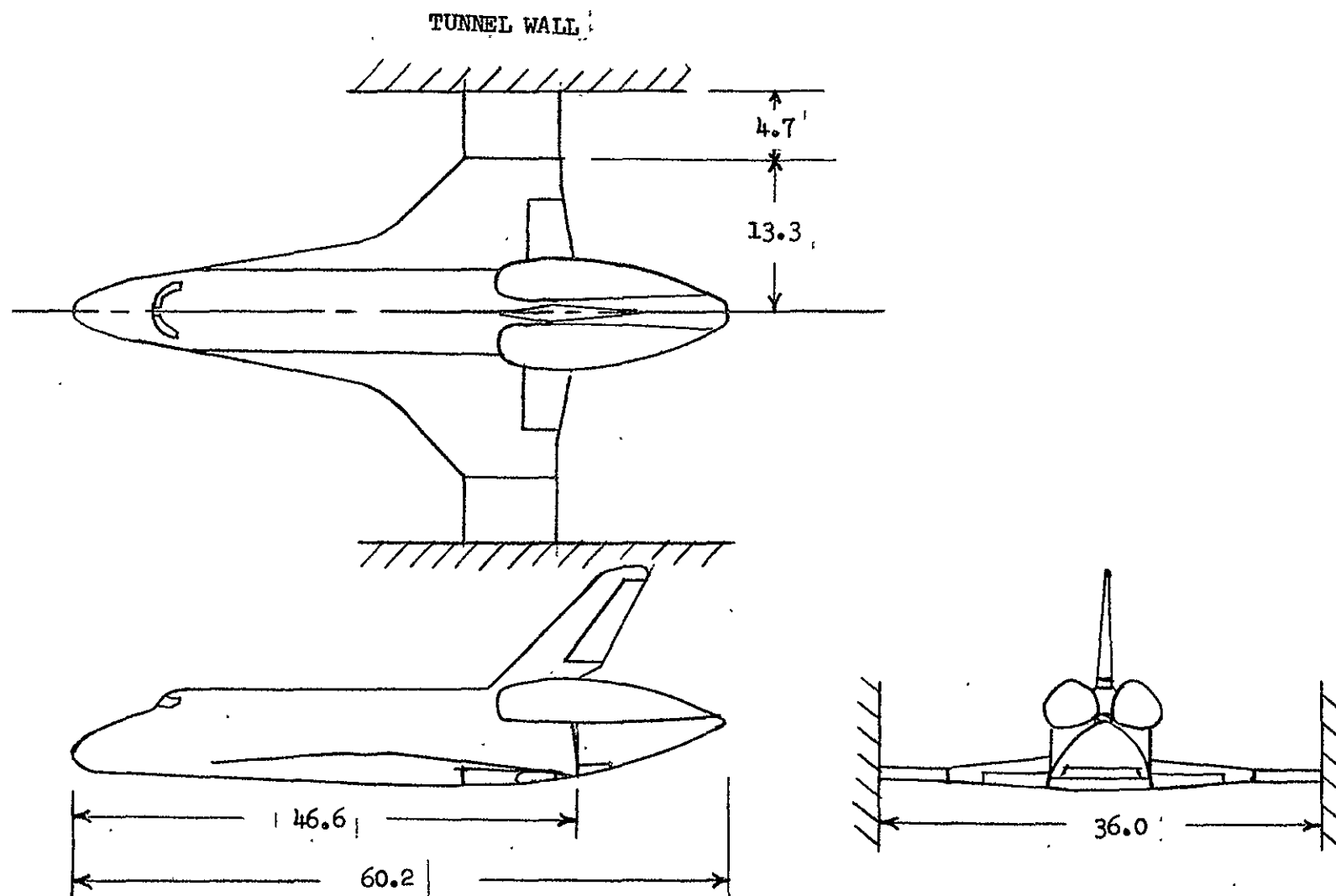
TABLE IV. - Continued.

TAP NO.	$X_0$	$X/LB$	$\phi$
7	<u>1650</u>	<u>1.094</u>	0.0
14			29.4
23			44.8
24			50.1
40			94.0
47			101.4
53			115.6
60			133.8
68			149.1
83			180.0
6	<u>1700</u>	<u>1.133</u>	0.0
13			31.3
22			50.1
36			72.2
46			101.4
44			105.9
52			117.6
59			133.1
67			148.1
74			157.9
82			180.0
5	<u>1750</u>	<u>1.171</u>	0.0
12			33.8
21			52.9
35			75.9
39			99.1
58			119.0
51			133.5
66			147.3
73			156.2
81			180.0



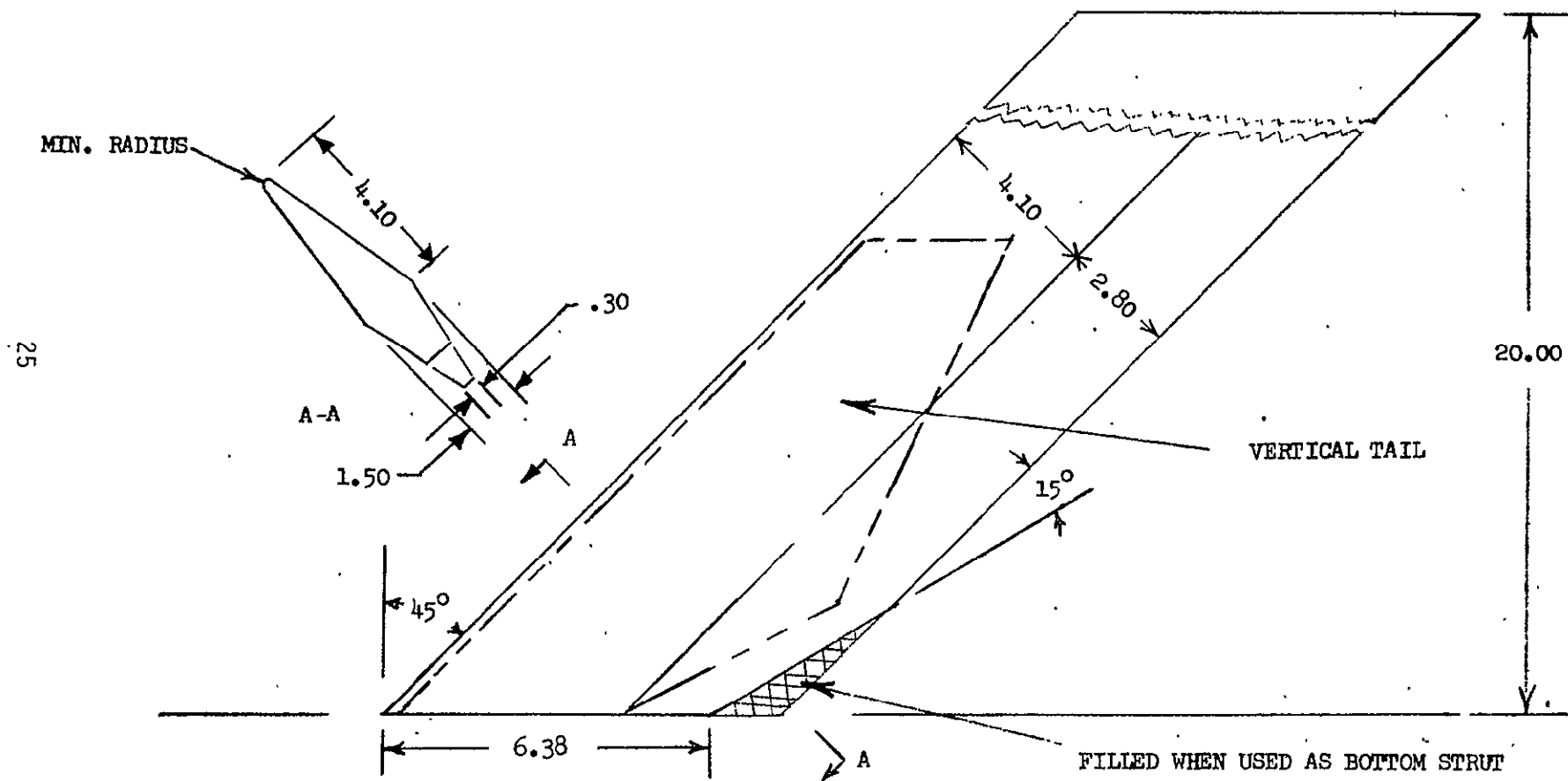
TABLE IV. - Concluded.

TAP NO.	$X_0$	$X/LB$	$\phi$
4	<u>1800</u>	<u>1.210</u>	0.0
11			24.0
20			41.0
34			64.0
38			82.8
43			92.2
50			106.1
57			120.5
65			134.0
72			142.5
80			180.0
3	<u>1850</u>	<u>1.249</u>	0.0
18			30.4
19			44.8
33			71.5
42			93.5
64			124.4
79			180.0
2	<u>1890.7</u>	<u>1.280</u>	0.0
17			44.8
31			50.1
32			101.4
76			115.6
77			133.8
87			149.1
78			180.0
1	1900	1.287	0.0, 180.0



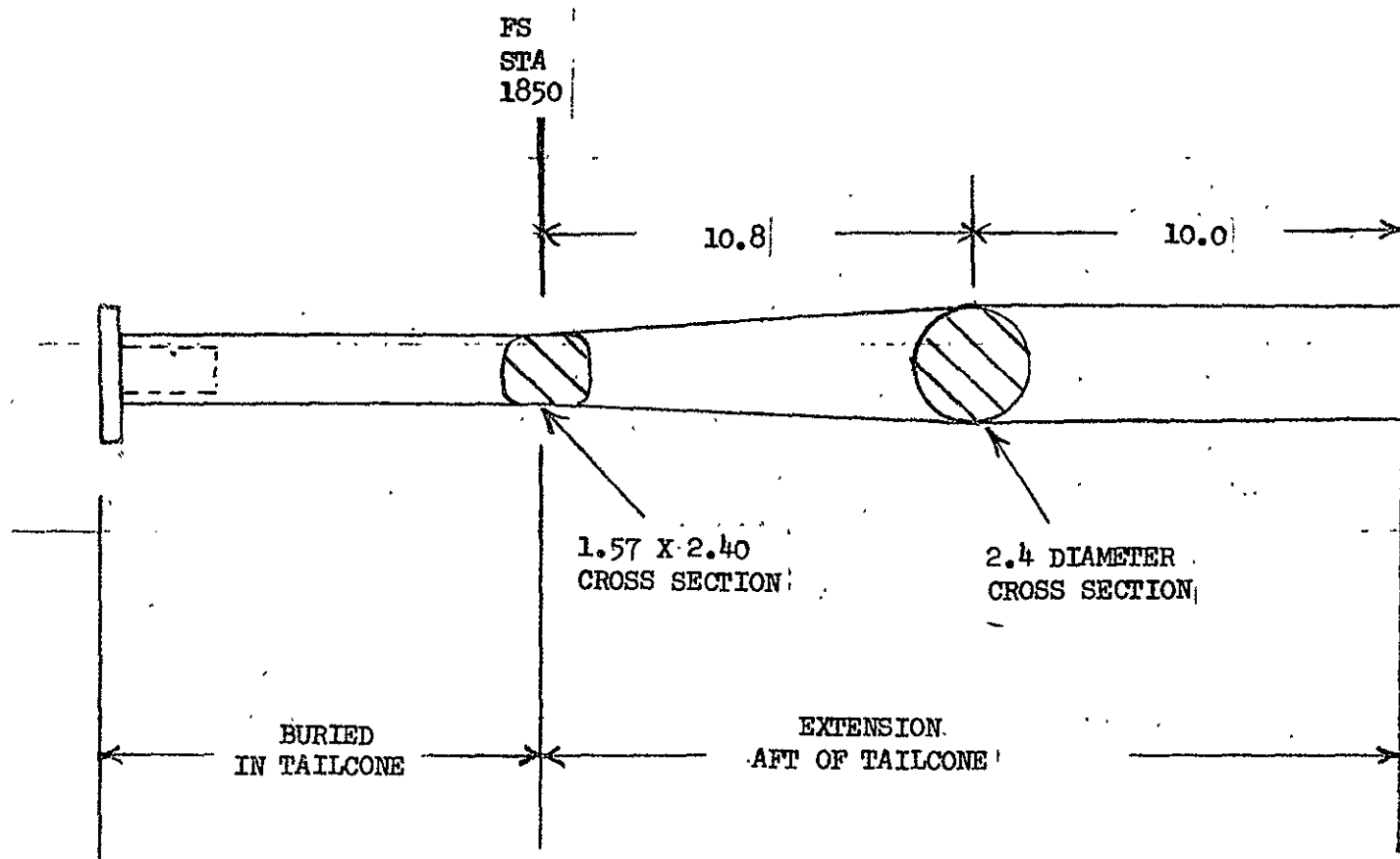
a. Sketch of Model Used in Investigation. Dimensions are in Inches.

Figure 1. - Model sketches.



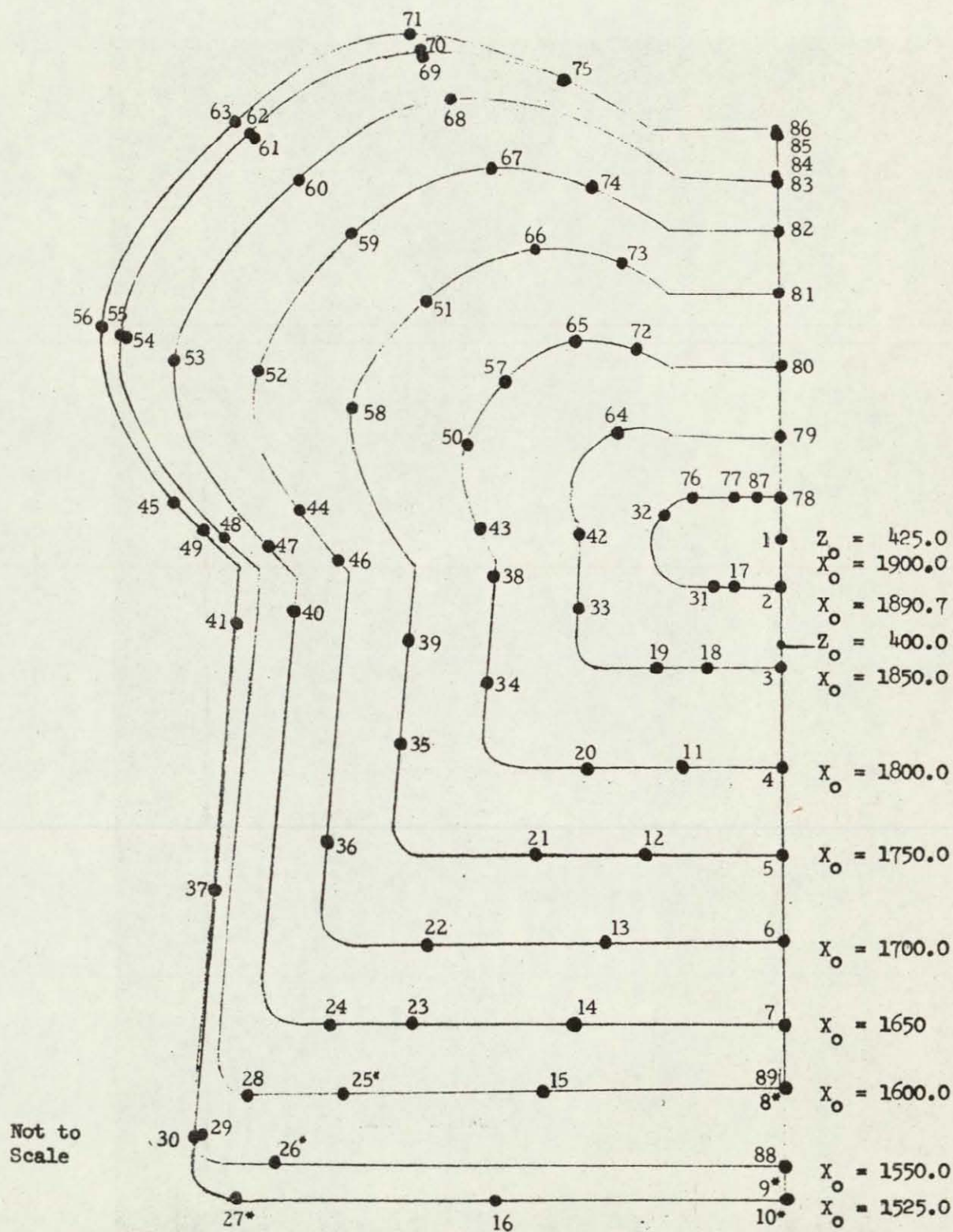
b. Simulated Blade Strut. Dimensions are in Inches.

Figure 1. - Continued.

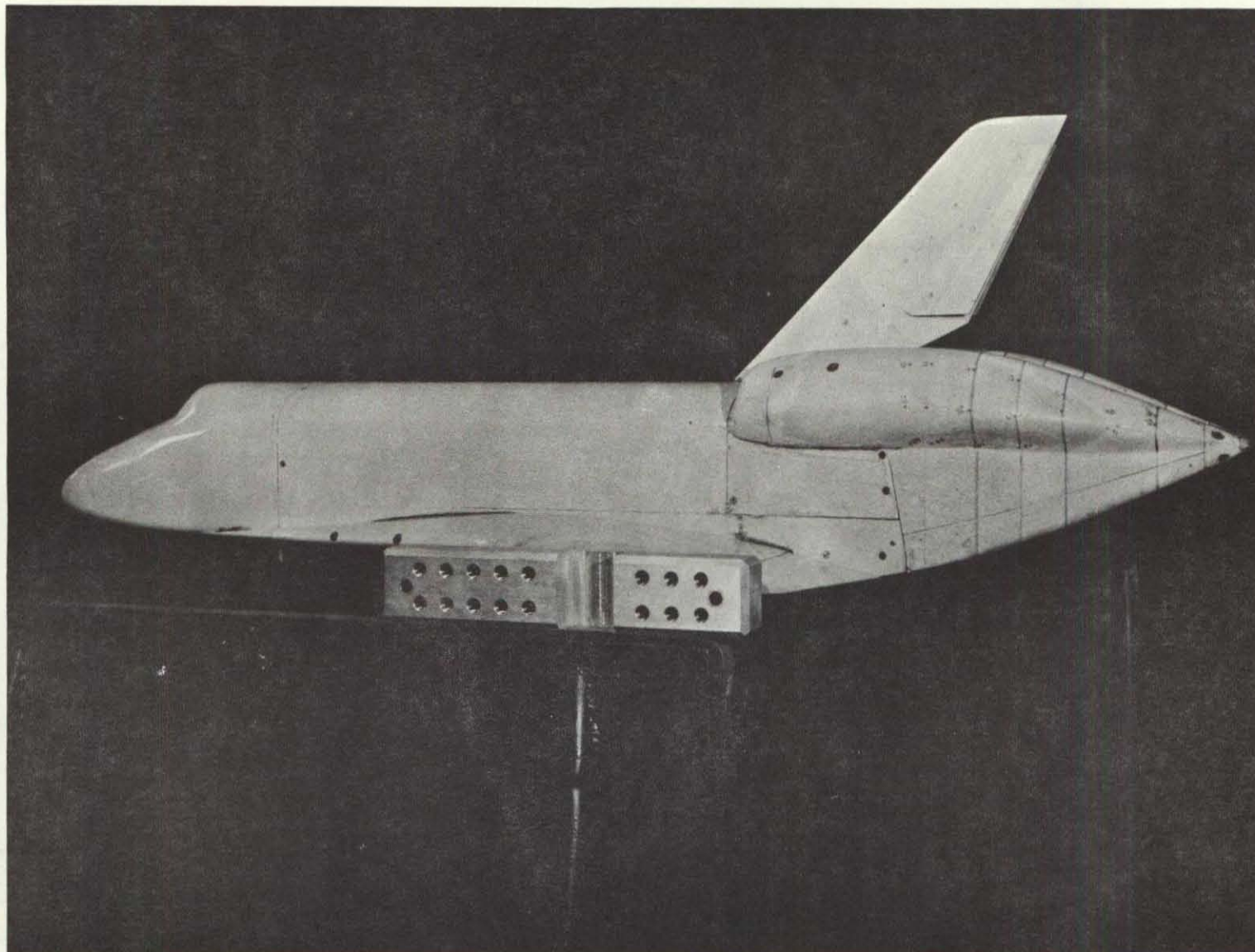


c. Simulated Sting. Dimensions are in Inches.

Figure 1. - Continued.



d. Sketch Showing Pressure Orifices on Tailcone.  
Figure 1. - Concluded.

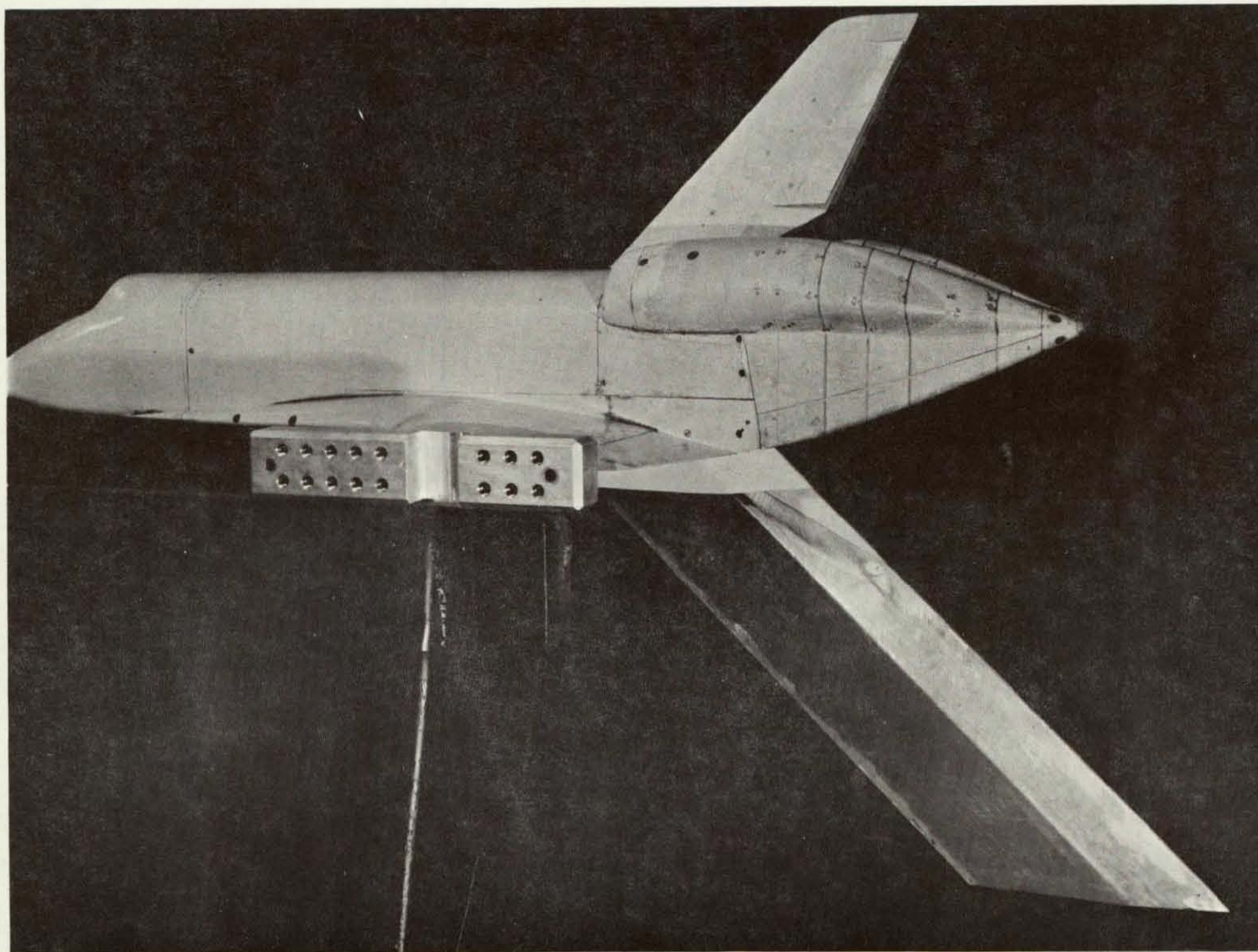


a. Side View of Model Showing Tailcone,  $TC_4$   
Figure 2. - Model photographs.



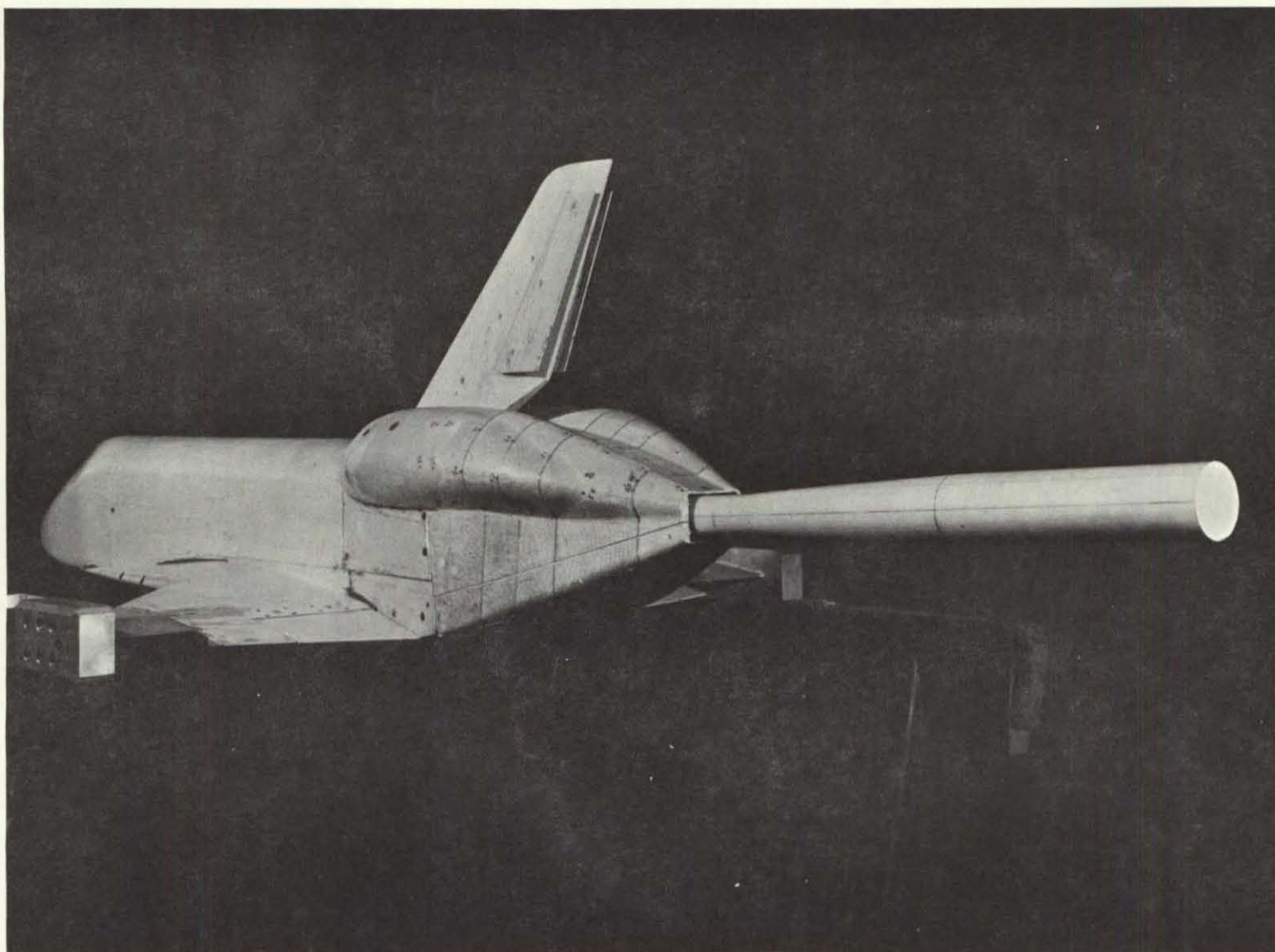
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b. Side View of Model Showing Simulated Bottom Strut.

Figure 2. - Continued.



c. Three Quarter Rear View of Model Showing Simulated Sting.

Figure 2. - Concluded.



APPENDIX  
TABULATED SOURCE DATA

Tabulations of plotted data are available on request  
from Data Management Services.

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 1

LARC LTPT 229(LAB1) 13EVRTCH

(RJPC03) ( 11 MAR 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0351

## PARAMETRIC DATA

ELEVON = .000 AILRON = .000  
 SPDBRK = .000 MACH = .200

RN/L ( 1 ) = 2.120 ALPHA ( 1 ) = -2.024 BETA = .00000 MACH = .19972 Q(PSF) = 84.365

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2555	-.2410	-.0949	.0040	.0799	.1364	.1697	.1978	.2088
24.000							.1361			
27.800	-.1842									
28.700			-.1927							
29.400				-.0987						
30.400								.1664		
31.300					-.0073					
33.800						.0711				
41.000							.1292			
44.800				-.1233				.1667	.1978	
50.100	-.3131	-.3401	-.2709	-.1249	-.0213				.1973	
52.900						.0718				
64.000							.0589			
67.200	-.4032									
71.500								.1366		
72.200				-.1791						
75.900					-.0334					
82.800							.1419			
92.200							.1414			
93.000	-.4328									
93.500								.1815		
94.000				-.2481						
99.100						.0517				
101.400	-.4112		-.4104	-.4155	-.2682				.1949	
103.400	-.4066									
105.900					-.0950					
106.100							.1290			
115.600	-.3910	-.4080	-.4694	-.2494					.2017	
117.600					-.0592					
119.000						.0620				
120.500							.1107			
124.400								.1640		
133.100					-.0594					
133.500						.0578				
133.800	-.4533	-.4391	-.4965	-.2561					.2008	
134.000							.1070			
142.500							.1099			
147.300						.0248				

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DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 2

LARC.LTPT 229(LAB1) JBEVRTC4

(RJPC03)

RN/L ( 1) = 2.120 ALPHA ( 1) = -2.024

SECTION ( 1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

148.100										
149.100	-.4339	-.4199	-.4092	-.2866	-.1105				.2033	
156.200						-.0120				
157.900					-.1513					
159.500	-.5068									
180.000	-.5223	-.3713	-.3323	-.2683	-.1553	-.0316	.0897	.1728	.2039	.2088

RN/L ( 1) = 2.122 ALPHA ( 2) = .050 BETA = .00000 MACH = .19972 Q(PSF) = 84.365

SECTION ( 1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.2568	-.2476	-.1011	-.0041	.0740	.1349	.1688	.1954	.2091
24.000							.1322			
27.800	-.1876									
28.700			-.1975							
29.400				-.1061						
30.400								.1668		
31.300					-.0161					
33.800						.0634				
41.000							.1305			
44.800				-.1302				.1661	.1952	
50.100	-.3105	-.3364	-.2790	-.1299	-.0317				.1932	
52.900						.0593				
64.000							.0522			
67.200	-.4156									
71.500								.1334		
72.200					-.1921					
75.900						-.0458				
82.800							.1391			
92.200							.1412			
93.000	-.4471									
93.500								.1823		
94.000				-.2594						
99.100						.0431				
101.400	-.4251		-.4246	-.4272	-.2789				.1949	
103.400	-.4199									
105.900					-.1117					
106.100							.1332			
115.600	-.4010	-.4188	-.4818	-.2639					.1997	
117.600					-.0574					
119.000						.0601				
120.500							.1197			

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TABULATED SOURCE DATA - LAB1

PAGE 3

LARC LTPT 229(LAB1) WBEVRTC4

(RJPC03)

RN/L ( 1) = 2.122 ALPHA ( 2) = .050

SECTION ( 1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
124.400								.1630		
133.100					-.0512					
133.500						.0611				
133.800	-.4717	-.4516	-.4972	-.2458					.2003	
134.000							.1079			
142.500							.1169			
147.300						.0370				
148.100					-.0874					
149.100	-.4550	-.4345	-.4072	-.2694					.2015	
156.200						.0099				
157.900					-.1303					
159.500	-.5286									
180.000	-.5446	-.3752	-.3260	-.2504	-.1337	-.0059	.1024	.1718	.2019	.2091

RN/L ( 1) = 2.118 ALPHA ( 3) = 2.094 BETA = .00000 MACH = .19972 Q(PSF) = 84.365

SECTION ( 1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2596	-.2534	-.1129	-.0178	.0607	.1279	.1727	.1974	.2047
24.000							.1251			
27.800	-.1881									
28.700		-.2047								
29.400			-.1145							
30.400								.1736		
31.300					-.0280					
33.800						.0519				
41.000							.1228			
44.800				-.1377				.1733	.1980	
50.100	-.2972	-.3158	-.2820	-.1339	-.0427				.1982	
52.900						.0439				
64.000							.0446			
67.200	-.4215									
71.500								.1290		
72.200					-.2009					
75.900						-.0532				
82.800							.1331			
92.200							.1363			
93.000	-.4574									
93.500								.1841		
94.000				-.2669						
99.100						.0347				
101.400	-.4390		-.4366	-.4353	-.2258				.1962	

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TABULATED SOURCE DATA - LAB1

PAGE 4

LARC LTPT 229(LAB1) WBEVRTC4

(RJPC03)

RN/L ( 1 ) = 2.118 ALPHA ( 3 ) = 2.094

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

103.400	-.4296								
105.900					-.1287				
106.100							.1319		
115.600	-.4139	-.4303	-.5006	-.2809				.1980	
117.600					-.0596				
119.000						.0587			
120.500							.1270		
124.400								.1648	
133.100					-.0422				
133.500						.0621			
133.800	-.4912	-.4647	-.4967	-.2365				.1999	
134.000							.1121		
142.500							.1179		
147.300						.0457			
148.100					-.0654				
149.100	-.4721	-.4463	-.4044	-.2492				.2009	
156.200						.0276			
157.900					-.1076				
159.500	-.5402								
180.000	-.5745	-.3903	-.3146	-.2332	-.1090	.0158	.1108	.1703	.2009 .2047

RN/L ( 1 ) = 2.111 ALPHA ( 4 ) = 3.987 BETA = .00000 MACH = .19972 Q(PSF) = 84.365

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.2607	-.2578	-.1225	-.0292	.0495	.1198	.1715	.2029 .2085
24.000							.1156		
27.800	-.1875								
28.700			-.2112						
29.400				-.1235					
30.400								.1739	
31.300					-.0373				
33.800						.0407			
41.000							.1137		
44.800				-.1432				.1740	.2040
50.100	-.2752	-.2916	-.2880	-.1371	-.0528			.2034	
52.900						.0319			
64.000							.0378		
67.200	-.4240								
71.500								.1241	
72.200					-.2038				
75.900						-.0583			

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TABULATED SOURCE DATA - LAB1

PAGE 5

LARC LTPT 229(LAB1) WBEVRTC4

(RJPC03)

RN/L ( 1 ) = 2.111 ALPHA ( 4 ) = 3.987

SECTION ( 1 )	TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
92.800							.1289				
92.200							.1319				
93.000	-.4617										
93.500								.1832			
94.000				-.2694							
99.100						.0319					
101.400	-.4453		-.4422	-.4367	-.2872				.1972		
103.400	-.4355										
105.900					-.1412						
106.100							.1297				
115.800	-.4248	-.4414	-.5158	-.2975					.1976		
117.600					-.0600						
119.000						.0606					
120.500							.1310				
124.400								.1708			
133.100					-.0361						
133.500						.0628					
133.800	-.5063	-.4740	-.4935	-.2265					.2008		
134.000							.1169				
142.500							.1209				
147.300						.0530					
148.100					-.0483						
149.100	-.4842	-.4530	-.3973	-.2299					.2016		
156.200						.0376					
157.900					-.0904						
159.500	-.5468										
180.000	-.5826	-.4119	-.3170	-.2238	-.0943	.0257	.1177	.1716	.2021	.2085	

RN/L ( 1 ) = 2.094 ALPHA ( 5 ) = 6.132 BETA = .00000 MACH = .19972 Q(PSF) = 84.365

SECTION ( 1 )	TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000			-.2783	-.2781	-.1453	-.0515	.0275	.1016	.1622	.2025	
24.000								.0985		.2083	
27.800	-.2102										
28.700			-.2277								
29.400				-.1435							
30.400								.1656			
31.300					-.0577						
33.800						.0217					
41.000							.0951				
44.800				-.1617				.1650	.2039		

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TABULATED SOURCE DATA - LAB1

PAGE 6

LARC LTPT 229(LAB1) WBEVRTC4

(RJPC03)

RN/L ( 1 ) = 2.094 ALPHA ( 5 ) = 6.132

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
50.100	-.2791	-.3151	-.3117	-.1549	-.0729				.2024	
52.900						.0113				
64.000							.266			
67.200	-.4535									
71.500								.1122		
72.200					-.2153					
75.900						-.0717				
82.800							.1177			
92.200							.1198			
93.000	-.4932									
93.500								.1729		
94.000				-.2850						
99.100						.0244				
101.400	-.4777		-.4699	-.4586	-.3069				.2021	
103.400	-.4623									
105.900					-.1589					
106.100							.201			
115.600	-.4552	-.4740	-.5484	-.3285					.1968	
117.600					-.0746					
119.000						.0504				
120.500							.229			
124.400								.1686		
133.100					-.0452					
133.500						.0501				
133.800	-.5362	-.4989	-.5055	-.2341					.1991	
134.000							.131			
142.500							.153			
147.300						.0447				
148.100					-.0487					
149.100	-.5111	-.4720	-.4030	-.2247					.1989	
156.200						.0368				
157.900					-.0902					
159.500	-.5748									
160.000	-.6107	-.4154	-.3211	-.2184	-.0953	.0231	.140	.1718	.2001	.2083

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TABULATED SOURCE DATA - LAB1

PAGE 7

LARC LTPT 229(LAB1) W6ZVRTC4

(RJPC03)

RN/L ( 1 ) = 2.127 ALPHA ( 6 ) = 8.176 BETA = .00000 MACH = .19972 Q(PSF) = 84.365

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3083	-.3090	-.1721	-.0762	.0045	.0815	.1479	.1979	.2031
24.000							.0774			
27.800	-.2406									
28.700			-.2550							
29.400				-.1674						
30.400								.1509		
31.300					-.0813					
33.800						-.0005				
41.000							.0776			
44.800				-.1852				.1515	.1997	
50.100	-.2941	-.3424	-.3373	-.1788	-.0919				.1986	
52.900						-.0073				
64.000							.0158			
67.200	-.5279									
71.500								.1001		
72.200					-.2218					
75.900						-.0821				
82.800							.1039			
92.200							.1060			
93.000	-.5709									
93.500								.1566		
94.000				-.3042						
99.100						.0213				
101.400	-.5502		-.5306	-.5066	-.3345				.2045	
103.400	-.5310									
105.900					-.1665					
106.100							.1122			
115.600	-.5143	-.5241	-.5899	-.3561					.1954	
117.600					-.0893					
119.000						.0445				
120.500							.1120			
124.400								.1611		
133.100					-.0644					
133.500						.0395				
133.800	-.5762	-.5340	-.5268	-.2595					.1937	
134.000							.1052			
142.500							.1030			
147.300						.0348				
148.100					-.0672					
149.100	-.5428	-.5010	-.4208	-.2399					.1937	
156.200						.0207				
157.900					-.1037					
159.500	-.6127									
180.000	-.6993	-.3943	-.3234	-.2365	-.1139	.0034	1008	.1696	.1938	.2031



DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 8

LARC LTPT 229(LAB1) WBEVRTC4

(RJPC03)

RN/L (1) = 2.107 ALPHA (7) = 10.230 BETA = .00000 MACH = .19972 Q(PSF) = 84.365

SECTION (1) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3232	-.3284	-.1936	-.0991	-.0166	0613	.1338	.1950	.2034
24.000							0574			
27.800	-.2570									
28.700			-.2740							
29.400				-.1868						
30.400								.1379		
31.300					-.1013					
33.800						-.0213				
41.000							0598			
44.800				-.2030				.1378	.1975	
50.100	-.3004	-.3421	-.3448	-.1989	-.1107				.1948	
52.900						-.0272				
64.000							-.0018			
67.200	-.5745									
71.500								.0877		
72.200					-.2339					
75.900						-.0979				
82.800							.0913			
92.200							.0905			
93.000	-.6341									
93.500										
94.000				-.3304				.1511		
99.100						.0096				
101.400	-.6137		-.5891	-.5548	-.3626				.2034	
103.400	-.5914									
105.900					-.1797					
106.100							.0934			
115.600	-.5683	-.5753	-.6392	-.3861					.1931	
117.600					-.0968					
119.000						.0289				
120.500							.0936			
124.400								.1504		
133.100					-.0829					
133.500						.0257				
133.800	-.6100	-.5682	-.5470	-.2786					.1911	
134.000							.0988			
142.500							.0878			
147.300						.0168				
148.100					-.0926					
149.100	-.5718	-.5259	-.4393	-.2620					.1898	
156.200						-.0045				
157.900					-.1308					
159.500	-.6432									
180.000	-.7609	-.3995	-.3396	-.2602	-.1385	-.0233	.0802	.1612	.1913	.2034

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 9

LARC LTPT 229(LA81) WBEVRTC4

(RJPC03)

RN/L ( 1 ) = 2.103 ALPHA ( 8 ) = 12.244 BETA = .00000 MACH = .19972 Q(PSF) = 84.365

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3421	-.3486	-.2168	-.1219	-.0390	.0393	.1162	.1885	.2013
24.000							.0352			
27.800	-.2768									
28.700			-.2911							
29.400				-.2105						
30.400								.1204		
31.300					-.1260					
33.800						-.0450				
41.000							.0423			
44.800				-.2160				.1203	.1887	
50.100	-.3160	-.3337	-.3318	-.2093	-.1204				.1842	
52.900						-.0406				
64.050							.0291			
67.200	-.6206									
71.500								.0605		
72.200					-.2488					
75.900						-.1177				
82.800							.0708			
92.200							.0614			
93.000	-.7010									
93.500								.1282		
94.000				-.3652						
99.100						-.0099				
101.400	-.6839		-.6556	-.6161	-.4122				.1946	
103.400	-.6617									
105.900					-.1937					
106.100							.0622			
115.600	-.6276	-.6351	-.7017	-.4279					.1844	
117.600					-.1166					
119.000						-.0170				
120.500							.0633			
124.400								.1283		
133.100					-.1110					
133.500						-.0165				
133.800	-.6598	-.6069	-.5792	-.3002					.1810	
134.000							.0569			
142.500							.0564			
147.300						-.0267				
148.100					-.1389					
149.100	-.6062	-.5605	-.4742	-.3048					.1817	
156.200						-.0485				
157.900					-.1728					
159.500	-.6856									
180.000	-.8071	-.4246	-.3700	-.2935	-.1779	-.0642	.0479	.1418	.1822	.2013

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 10

LARC LTPT 229(LA81) 4BEVRTC4

(RJPC03)

RN/L ( 1 ) = 2.107 ALPHA ( 9 ) = 14.147 BETA = .00000 MACH = .19972 Q(PSF) = 84.365

SECTION ( 1 )	TAIL CONE	DEPENDENT VARIABLE CP								
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3542	-.3665	-.2368	-.1465	-.0660	.0151	.0977	.1722	.1913
24.000							.0120			
27.800	-.2917									
28.700			-.3126							
29.400				-.2356						
30.400								.1018		
31.300					-.1505					
33.800						-.0725				
41.000							.0152			
44.800				-.2406				.1007	.1721	
50.100	-.3270	-.3247	-.3516	-.2311	-.1422				.1685	
52.900						-.0699				
64.000							-.0675			
67.200	-.6733									
71.500								.0380		
72.200					-.2717					
75.900						-.1481				
82.800							.0483			
92.200							.0459			
93.000	-.7681									
93.500								.1090		
94.000				-.4092						
99.100						-.0460				
101.400	-.7490		-.7177	-.6775	-.4643				.1729	
103.400	-.7297									
105.900					-.2399					
106.100							.0393			
115.600	-.7045	-.7119	-.7715	-.4865					.1662	
117.600					-.1763					
119.000						-.0510				
120.500							.0303			
124.400								.1135		
133.100					-.1679					
133.500						-.0551				
133.800	-.7199	-.6596	-.6356	-.3540					.1646	
134.000							.0278			
142.500							.0271			
147.300						-.0779				
148.100					-.2060					
149.100	-.6619	-.6192	-.5359	-.3808					.1666	
156.200						-.1033				
157.900					-.2344					
159.500	-.7360									
180.000	-.8581	-.4614	-.4169	-.3481	-.2332	-.1137	.0143	.1241	.1678	.1913

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 11

LARC LTPT 229(LA81) WBEVRTC4

(RJPC03)

RN/L (1) = 2.142 ALPHA (10) = 16.131 BETA = .00000 MACH = .19972 Q(PSF) = 84.365

SECTION (1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3656	-.3826	-.2678	-.1835	-.1020	-.0154	.0708	.1429	.1701
24.000							-.0196			
27.800	-.3074									
28.700			-.3405							
29.400				-.2670						
30.400								.0724		
31.300					-.1864					
33.800						-.1058				
41.000							-.0289			
44.800				-.2799				.0733	.1426	
50.100	-.3394	-.3298	-.3879	-.2650	-.1869				.1387	
52.900						-.1138				
64.000							-.1282			
67.200	-.7006									
71.500								-.0088		
72.200					-.3108					
75.900						-.2013				
82.800							.0069			
92.200							.0053			
93.000	-.8179									
93.500								.0916		
94.000				-.4582						
99.100						-.1104				
101.400	-.7933		-.7619	-.6993	-.5013				.1379	
103.400	-.7937									
105.900					-.3073					
106.100							-.0115			
115.600	-.7708	-.7646	-.8260	-.5420					.1338	
117.600					-.2522					
119.000						-.1271				
120.500							-.0126			
124.400								.0891		
133.100					-.2402					
133.500						-.1483				
133.800	-.7872	-.7161	-.6905	-.4066					.1359	
134.000							-.0143			
142.500							-.0087			
147.300						-.1222				
148.100					-.2545					
149.100	-.7511	-.7019	-.6332	-.4703					.1432	
156.200						-.1659				
157.900					-.3110					
159.500	-.7950									
180.000	-.9241	-.5468	-.4771	-.4135	-.2946	-.1643	-.0207	.0986	.1415	.1701

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OF POOR QUALITY

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC4

(RJPC03)

RN/L ( 1, = 2.110 ALPHA (11) = 18.205 BETA = .00000 MACH = .19972 Q(PSF) = 84.365

SECTION ( 1) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.4222	-.4454	-.3310	-.2416	-.1581	-.0745	.0152	.1076	.1358
24.000							-.0788			
27.800	-.3565									
28.700			-.3988							
29.400				-.3235						
30.400								.0211		
31.300					-.2407					
33.800						-.1591				
41.000							-.0919			
44.800				-.3393				.0172	.0892	
50.100	-.3993	-.4168	-.4705	-.3367	-.2452				.0844	
52.900						-.1711				
64.000							-.2100			
67.200	-.7123									
71.500								-.0958		
72.200					-.3684					
75.900						-.2684				
82.800							-.0905			
92.200							-.1111			
93.000	-.7894									
93.500								-.0080		
94.000				-.4975						
99.100						-.2153				
101.400	-.8078		-.7586	-.6942	-.5328				.0679	
103.400	-.7787									
105.900					-.4008					
106.100							-.1017			
115.600	-.8008	-.7848	-.8412	-.6029					.0892	
117.600					-.3610					
119.000						-.2288				
120.500							-.1190			
124.400								.0152		
133.100					-.3204					
133.500						-.2375				
133.800	-.8487	-.7774	-.7515	-.4743					.0819	
134.000							-.0978			
142.500							-.0903			
147.300						-.1971				
148.100					-.2998					
149.100	-.7725	-.7198	-.6543	-.5064					.0871	
156.200						-.2356				
157.900					-.3761					
159.500	-.8435									
180.000	-.9829	-.5960	-.5324	-.4761	-.3631	-.2349	-.0865	.0373	.0881	.1358

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBFV RTC4

(RJPC04) ( 11 MAR 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = .000 AILRON = .000  
 SPDBRK = .000 MACH = .200

RN/L ( 1 ) = 4.041 ALPHA ( 1 ) = -2.044 BETA = .00100 MACH = .20138 Q(PSF) = 163.91

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2647	-.2459	-.1037	-.0039	.0781	.1432	.1872	.2128	.2195
24.000							.1425			
27.800	-.1892									
28.700			-.2096							
29.400				-.1083						
30.400								.1834		
31.300					-.0150					
33.800						.0704				
41.000							.1785			
44.800				-.1351				.1815	.2139	
50.100	-.3395	-.3592	-.2846	-.1294	-.0257				.2132	
52.900						.0674				
64.000							.0610			
67.200	-.4116									
71.500								.1451		
72.200					-.1874					
75.900						-.0374				
82.800							.1305			
92.200							.1794			
93.000	-.4411									
93.500								.1933		
94.000				-.2543						
99.100						.0490				
101.400	-.4208		-.4176	-.4248	-.2800				.2033	
103.400	-.4152									
105.900					-.1011					
106.100							.1371			
115.600	-.3985	-.4214	-.4846	-.2586					.2129	
117.600					-.0615					
119.000						.0614				
120.500							.1179			
124.400								.1738		
133.100					-.0657					
133.500						.0592				
133.800	-.4645	-.4408	-.5072	-.2663					.2135	
134.000							.1104			
142.500							.1141			
147.300						.0240				

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBE/RTC4

(RJPC04)

RN/L ( 1 ) = 4.041 ALPHA ( 1 ) = -2.044

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
148.100											
149.100	-.4421	-.4266	-.4143	-.2959					.2141		
156.200							-.0210				
157.900						-.1566					
159.500	-.5138										
180.000	-.5021	-.3753	-.3458	-.2750	-.1615	-.0366	.0908	.1838	.2159	.2195	

RN/L ( 1 ) = 4.041 ALPHA ( 2 ) = -.010 BETA = .00000 MACH = .20138 Q(PSF) = 163.91

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.2624	-.2504	-.1072	-.0095	.0715	.1387	.1833	.2106	.2197	
24.000							.1373				
27.800	-.1910										
28.700			-.2086								
29.400				-.1125							
30.400								.1835			
31.300					-.0203						
33.800						.0630					
41.000							.348				
44.800				-.1390				.1809	.2121		
50.100	-.3117	-.3317	-.2884	-.1311	-.0347				.2082		
52.900						.0554					
64.000							.0526				
67.200	-.4221										
71.500								.1413			
72.200					-.1995						
75.900						-.0474					
82.800							.472				
92.200							.481				
93.000	-.4553										
93.500								.1950			
94.000				-.2659							
99.100						.0384					
101.400	-.4365		-.4311	-.4362	-.2906				.2014		
103.400	-.4278										
105.900					-.1198						
106.100							.407				
115.800	-.4077	-.4320	-.4979	-.2745					.2084		
117.600					-.0621						
119.000						.0598					
120.500							.279				

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBLVRTC4

(RJPC04)

RN/L ( 1 ) = 4.041 ALPHA ( 2 ) = -.010

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
124.400								.1705			
133.100					-.0554						
133.500						.0636					
133.800	-.4830	-.4537	-.5079	-.2561					.2114		
134.000							.1151				
142.500							.1224				
147.300						.0359					
148.100					-.0961						
149.100	-.4611	-.4420	-.4140	-.2784					.2123		
156.200						.0032					
157.900					-.1377						
159.500	-.5351										
180.000	-.5416	-.3922	-.3436	-.2692	-.1452	-.0135	.1035	.1844	.2136	.2197	

RN/L ( 1 ) = 4.047 ALPHA ( 3 ) = 2.004 BETA = .07000 MACH = .20138 Q(PSF) = 163.91

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.2645	-.2544	-.1155	-.0221	.0589	.1302	.1821	.2165	.2237	
24.000							.1276				
27.800	-.1903										
28.700			-.2147								
29.400				-.1196							
30.400								.1850			
31.300					-.0299						
33.800						.0521					
41.000							.1252				
44.800				-.1442				.1843	.2173		
50.100	-.3033	-.3155	-.2918	-.1362	-.0450				.2160		
52.900						.0420					
64.000							.0454				
67.200	-.4275										
71.500								.1342			
72.200					-.2075						
75.900						-.0543					
82.800							.1401				
92.200							.1451				
93.000	-.4634										
93.500								.1956			
94.000				-.2717							
99.100						.0331					
101.400	-.4485		-.4413	-.4415	-.2970				.2051		



DATE 05 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WEEVRTC4

(RJPC04)

RN/L ( 1 ) = 4.047 ALPHA ( 3 ) = 2.004

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
103.400	-.4360								
105.900				-.1350					
106.100						1405			
115.600	-.4196	-.4428	-.5134	-.2907				.2103	
117.600				-.0615					
119.000					.0610				
120.500						.1368			
124.400							.1740		
133.100				-.0460					
133.500					.0655				
133.800	-.5009	-.4662	-.5062	-.2465				.2128	
134.000						.1197			
142.500						.1264			
147.300					.0480				
148.100				-.0716					
149.100	-.4783	-.4532	-.4094	-.2575				.2158	
156.200					.0227				
157.900				-.1139					
159.500	-.5501								
180.000	-.5535	-.4019	-.3373	-.2444	-.1147	.0120	.1191	.1798	.2140
									.2237

RN/L ( 1 ) = 4.021 ALPHA ( 4 ) = 4.018 BETA = .00000 MACH = .20138 Q(PSF) = 163.91

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
.000	-.2651	-.2593	-.1281	-.0348	.0455	.1192	.1775	.2176	.2247
24.000						.1155			
27.800	-.1896								
28.700		-.2235							
29.400			-.1289						
30.400							.1803		
31.300				-.0405					
33.800					.0388				
41.000						.1111			
44.800			-.1520				.1804	.2184	
50.100	-.2772	-.2943	-.2986	-.1390	-.0560			.2170	
52.900						.0267			
64.000							.0386		
67.200	-.4355								
71.500							.1288		
72.200				-.2123					
75.900					-.0605				

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) W3EVRTC4

(RJPC04)

RN/L ( 1 ) = 4.021 ALPHA ( 4 ) = 4.018

SECTION ( 1 ) TAIL CONE DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI										
82.800						.1337				
92.200						.1408				
93.000	-.4697									
93.500							.1902			
94.000				-.2754						
99.100						.0285				
101.400	-.4569		-.4481	-.4451	-.2991			.2065		
103.400	-.4444									
105.900					-.1493					
106.100						.1362				
115.600	-.4323	-.4572	-.5314	-.3118				.2101		
117.600					-.0647					
119.000						.0619				
120.500						.1393				
124.400							.1799			
133.100					-.0392					
133.500						.0656				
133.800	-.5191	-.4777	-.5028	-.2360				.2120		
134.000						.1222				
142.500						.1277				
147.300						.0550				
148.100					-.0524					
149.100	-.4922	-.4623	-.4037	-.2381				.2135		
156.200						.0352				
157.900					-.0954					
159.500	-.5548									
180.000	-.5720	-.4271	-.3355	-.2350	-.1048	.0247	.1224	.1814	.2156	.2247

RN/L ( 1 ) = 3.987 ALPHA ( 5 ) = 6.031 BETA = 00000 MACH = .20138 Q(PSF) = 163.91

SECTION ( 1 ) TAIL CONE DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI										
.000		-.2731	-.2727	-.1425	-.0506	.0302	.1055	.1691	.2175	.2291
24.000							.1020			
27.800	-.2040									
28.700			-.2318							
29.400				-.1417						
30.400								.1740		
31.300					-.0551					
33.800						.0247				
41.000							.0967			
44.800				-.1614				.1732	.2189	

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) .1BEVRTC4

(RJPC04)

RN/L ( 1 ) = 3.987 ALPHA ( 5 ) = 6.031

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	.2100	1.2490	1.2800	1.2870
PHI										
50.100	-.2733	-.3096	-.3174	-.1520	-.0695				.2176	
52.900						.0123				
64.000							.0284			
67.200	-.4503									
71.500								.1209		
72.200					-.2198					
75.900						-.0706				
82.800							.1263			
92.200							.1345			
93.000	-.4882									
93.500								.1852		
94.000				-.2874						
99.100						.0209				
101.400	-.4792		-.4771	-.4645	-.3122				.2102	
103.400	-.4598									
105.900					-.1670					
106.100							.1316			
115.600	-.4618	-.4834	-.5620	-.3408					.2125	
117.600					-.0778					
119.000						.0556				
120.500							.1350			
124.400								.1819		
133.100					-.0442					
133.500						.0582				
133.800	-.5456	-.5002	-.5109	-.2407					.2134	
134.000							.1245			
142.500							.1263			
147.300						.0560				
148.100					-.0465					
149.100	-.5156	-.4815	-.4056	-.2245					.2149	
156.200						.0432				
157.900					-.0870					
159.500	-.5862									
180.000	-.6342	-.3852	-.3178	-.2212	-.0924	.0304	.1266	.1850	.2157	.2291

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC4

(RJPC04)

RN/L ( 1 ) = 3.991 ALPHA ( 6 ) = 8.236 BETA = .00000 MACH = .20138 Q(PSF) = 163.91

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2970
PHI										
.000		-.3005	-.2996	-.1689	-.0780	.0054	.0814	.1542	.2097	.2291
24.000							.0791			
27.800	-.2293									
28.700			-.2586							
29.400				-.1652						
30.400								.1555		
31.300					-.0787					
33.800						.0010				
41.000							.0753			
44.800				-.1865				.1568	.2125	
50.100	-.2844	-.3217	-.3335	-.1756	-.0893				.2107	
52.900						-.0101				
64.000							.0106			
67.200	-.4992									
71.500								.1104		
72.200					-.2311					
75.900						-.0856				
82.800							.1176			
92.200							.1253			
93.000	-.5349									
93.500								.1737		
94.000				-.3137						
99.100						.0082				
101.400	-.5669		-.5342	-.5097	-.3409				.2082	
103.400	-.5071									
105.900					-.1849					
106.100							.1230			
115.600	-.5244	-.5408	-.6122	-.3713					.2086	
117.600					-.0900					
119.000						.0483				
120.500							.1217			
124.400								.1720		
133.100					-.0640					
133.500						.0420				
133.800	-.5890	-.5368	-.5304	-.2633					.2091	
134.000							.1135			
142.500							.1141			
147.300						.0401				
148.100					-.0646					
149.100	-.5476	-.5073	-.4170	-.2381					.2065	
156.200						.0285				
157.900					-.0960					
159.500	-.6277									
180.000	-.7338	-.3749	-.3288	-.2388	-.1109	.0091	.1127	.1837	.2088	.2291

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TABULATED SOURCE DATA - LA81

PAGE 20

LARC LTPT 229(LA81) WBEVRC4

(RJPC04)

RN/L ( 1 ) = 3.947 ALPHA ( 7 ) = 10.321 BETA = .00000 MACH = .20138 Q(PSF) = 163.91

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CF

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3238	-.3255	-.1907	-.1002	-.0177	.0615	.1383	.2049	.2229
24.000							.0586			
27.800	-.2548									
28.700			-.2886							
29.400				-.1913						
30.400								.1447		
31.300					-.1027					
33.800						-.0245				
41.000							.0583			
44.800				-.2104				.1467	.2057	
50.100	-.3034	-.3345	-.3474	-.2008	-.1141				.2028	
52.900						-.0333				
64.000							-.0077			
67.200	-.5785									
71.500								.0952		
72.200					-.2391					
75.900						-.0986				
82.800							.1013			
92.200							.1016			
93.000	-.6453									
93.500								.1643		
94.000				-.3430						
99.100							.0023			
101.400	-.6060		-.5785	-.5600	-.3786				.2076	
103.400	-.6005									
105.900					-.2027					
106.100							.1062			
115.600	-.5631	-.5824	-.6640	-.4087					.1990	
117.600					-.1112					
119.000						.0287				
120.500							.0951			
124.400								.1584		
133.100					-.0986					
133.500						.0196				
133.800	-.6208	-.5667	-.5532	-.2894					.1979	
134.000							.0926			
142.500							.0900			
147.300						.0130				
148.100					-.1024					
149.100	-.5812	-.5362	-.4466	-.2726					.1967	
156.200						-.0123				
157.900					-.1406					
159.500	-.6614									
180.000	-.7627	-.3956	-.3541	-.2687	-.1408	-.0229	.0838	.1668	.2002	.2229

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEV:TC4

(RJPC04)

RN/L ( 1 ) = 3.983 ALPHA ( 8 ) = 12.345 BETA = .00000 MACH = .20138 Q(PSF) = 163.91

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3359	-.3379	-.2188	-.1283	-.0454	.0318	.1162	.1919	.2130
24.000							.0378			
27.800	-.2685									
28.700			-.3079							
29.400				-.2151						
30.400								.1254		
31.300					-.1295					
33.800						-.0518				
41.000							.0374			
44.800				-.2299				.1248	.1910	
50.100	-.3137	-.3147	-.3447	-.2177	-.1314				.1869	
52.900						-.0533				
64.000							-.0343			
67.200	-.6231									
71.500								.0682		
72.200					-.2613					
75.900						-.1238				
82.800							.0734			
92.200							.0777			
93.000	-.7021									
93.500								.1388		
94.000				-.3777						
99.100						-.0141				
101.400	-.6650		-.6388	-.6177	-.4265				.1944	
103.400	-.6739									
105.900					-.2218					
106.100							.0707			
115.600	-.6161	-.6276	-.7116	-.4559					.1850	
117.600					-.1516					
119.000						-.0121				
120.500							.0694			
124.400								.1381		
133.100					-.1380					
133.500						-.0213				
133.800	-.6587	-.6022	-.5806	-.3226					.1861	
134.000							.0585			
142.500							.0542			
147.300						-.0344				
148.100					-.1585					
149.100	-.6159	-.5731	-.4856	-.3251					.1849	
156.200						-.0651				
157.900					-.1865					
159.500	-.7006									
160.000	-.7985	-.4405	-.3870	-.3056	-.1855	-.0700	.0482	.1486	.1878	.2130

TABULATED SOURCE DATA - LA81

(RJPC05) ( 11 MAR 76 )

LARC LTPT 229(LA81) WBE\RTC4

## PARAMETRIC DATA

ELEVON	=	.000	AILRON	=	.000
SPDBRK	=	.000	MACH	=	.200

RN/L (1) = 5.998 ALPHA (1) = -2.004 BETA = .00000 MACH = .20116 Q(PSF) = 246.18

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
------	-------	--------	--------	--------	--------	--------	--------	--------	--------	--------

PHI									
24.000		-.2690	-.2473	-.1055	-.0064	.0780	.1478	.1946	.2237
27.800	-.1909						.1469		.2267
28.700			-.2195						
29.400				-.1103					
30.400								.1899	
31.300					-.0140				
33.800						.0723			
41.000							.1429		
44.800				-.1390				.1914	.2224
50.100	-.3575	-.3710	-.2913	-.1309	-.0273				.2228
52.900						.0657			
64.000							.0621		
67.200	-.4181								
71.500								.1498	
72.200					-.1938				
75.900						-.0374			
82.800							.1354		
92.200							.1330		
93.000	-.4481								
93.500								.2019	
94.000				-.2590					
99.100						.0463			
101.400	-.4274		-.4208	-.4275	-.2866				.2082
103.400	-.4209								
105.900					-.1058				
106.100							.1423		
115.600	-.4034	-.4312	-.4844	-.2659					.2233
117.600					-.0639				
119.000						.0642			
120.500							.1248		
124.400								.1785	
133.100					-.0677				
133.500						.0605			
133.800	-.4725	-.4459	-.5159	-.2746					.2198
134.000							.1152		
142.500							.1186		
147.300						.0219			

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4

(RJPC05)

RN/L ( 1 ) = 5.998 ALPHA ( 1 ) = -2.004

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
148.100					-.1252						
149.100	-.4472	-.4353	-.4183	-.2994					.2211		
156.200						-.0253					
157.900					-.1619						
159.500	-.5225										
180.000	-.5093	-.3721	-.3519	-.2893	-.1682	-.0399	.0903	.1873	.2216	.2287	

RN/L ( 1 ) = 5.989 ALPHA ( 2 ) = .081 BETA = .00000 MACH = .20116 Q(PSF) = 246.18

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.2665	-.2533	-.1103	-.0124	.0710	.1407	.1904	.2217	.2281	
24.000							.1403				
27.800	-.1899										
28.700			-.2139								
29.400				-.1150							
30.400								.1903			
31.300					-.0214						
33.800						.0627					
41.000							.1367				
44.800				-.1441				.1899	.2215		
50.100	-.3243	-.3435	-.2922	-.1330	-.0346				.2207		
52.900						.0535					
64.000							.1538				
67.200	-.4286							.1438			
71.500					-.2049						
72.200						-.0482					
75.900							.1506				
82.800							.1534				
92.200											
93.000	-.4611										
93.500								.2031			
94.000				-.2704							
99.100						.0370					
101.400	-.4441		-.4362	-.4399	-.2991				.2080		
103.400	-.4346										
105.900					-.1253						
106.100							.1462				
115.600	-.4138	-.4424	-.5097	-.2820					.2196		
117.600					-.0649						
119.000						.0606					
120.500							.1345				



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TABULATED SOURCE DATA - LA81

PAGE 24

LARC LTPT 229(LA81) WBFVRTC4

(RJPC05)

RN/L ( 1 ) = 5.989 ALPHA ( 2 ) = .081

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
124.400								.1766		
133.100					-.0574					
133.500						.0655				
133.800	-.4923	-.4598	-.5136	-.2637					.2192	
134.000							.1195			
142.500							.1263			
147.300						.0378				
148.100					-.0989					
149.100	-.4676	-.4502	-.4177	-.2824					.2208	
156.200						-.0018				
157.900					-.1405					
159.500	-.5366									
180.000	-.5514	-.3950	-.3485	-.2701	-.1474	-.0164	.0066	.1891	.2210	.2281

RN/L ( 1 ) = 5.950 ALPHA ( 3 ) = 2.306 BETA = .00000 MACH = .20116 Q(PSF) = 246.18

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2675	-.2573	-.1199	-.0258	.0570	.1299	.1862	.2254	.2323
24.000							.1290			
27.800	-.1890									
28.700			-.2223							
29.400				-.1229						
30.400								.1887		
31.300					-.0320					
33.800						.0500				
41.000							.1247			
44.800				-.1503				.1893	.2249	
50.100	-.2961	-.3109	-.2963	-.1362	-.0480				.2245	
52.900						.0381				
64.000							.0449			
67.200	-.4344							.1369		
71.500					-.2125					
72.200										
75.900						-.0562				
82.800							.1434			
92.200							.1503			
93.000	-.4704									
93.500								.2002		
94.000				-.2761						
99.100						.0293				
101.400	-.4574		-.4471	-.4467	-.3057				.2093	

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WEVERTCH

(RJPC05)

RN/L ( 1 ) = 5.950 ALPHA ( 3 ) = 2.306

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
103.400	-.4442									
105.900					-.1438					
106.100							.1453			
115.600	-.4247	-.4542	-.5274	-.3011					.2191	
117.600					-.0637					
119.000						.0630				
120.500							1426			
124.400								.1799		
133.100					-.0451					
133.500						.0700				
133.800	-.5132	-.4730	-.5119	-.2499					.2185	
134.000							.1264			
142.500							.1322			
147.300						.0523				
148.100					-.0719					
149.100	-.4853	-.4602	-.4128	-.2586					.2200	
155.200						.0243				
157.900					-.1128					
159.500	-.5588					.0117	.1240	.1878	.2202	.2323
160.000	-.5566	-.4230	-.3364	-.2466	-.1216					

RN/L ( 1 ) = 5.937 ALPHA ( 4 ) = 4.199 BETA = .00000 MACH = .20116 Q(PSF) = 246.18

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2663	-.2590	-.1299	-.0374	.0447	.1186	.1814	.2226	.2334
24.000							.1169			
27.800	-.1887									
28.700			-.2287							
29.400				-.1305						
30.400								.1849		
31.300					-.0411					
33.800						.0391				
41.000							.1108			
44.800				-.1553				.1840	.2226	
50.100	-.2675	-.2921	-.3042	-.1390	-.0583				.2221	
52.900						.0247				
64.000							.0385			
67.200	-.4407									
71.500								.1337		
72.200					-.2157					
75.900						-.0612				

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) W3EVRTC4

(RJPC05)

RN/L ( 1 ) = 5.937 ALPHA ( 4 ) = 4.199

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI										
82.800							.1400			
92.200							.1475			
93.000	-.4791									
93.500								.1967		
94.000				-.2802						
99.100						.0280				
101.400	-.4656		-.4543	-.4489	-.3087				.2125	
103.400	-.4515									
105.900					-.1570					
106.100							.1414			
115.600	-.4389	-.4677	-.5457	-.3215					.2151	
117.600					-.0671					
119.000						.0646				
120.500							.1447			
124.400								.1839		
133.100					-.0387					
133.500						.0696				
133.800	-.5303	-.4846	-.5089	-.2427					.2186	
134.000							.1306			
142.500							.1355			
147.300						.0608				
148.100					-.0532					
149.100	-.5007	-.4665	-.4064	-.2385					.2213	
156.200						.0380				
157.900					-.0943					
159.500	-.5577									
180.000	-.5727	-.4374	-.3342	-.2363	-.1055	.0253	.1290	.1900	.2223	.2334

RN/L ( 1 ) = 5.891 ALPHA ( 5 ) = 6.182 BETA = 00000 MACH = .20116 Q(PSF) = 246.18

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI										
.000		-.2730	-.2690	-.1418	-.0524	.0286	.1057	.1716	.2274	.2380
24.000							.1025			
27.800	-.1978									
28.700			-.2384							
29.400				-.1415						
30.400								.1775		
31.300					-.0547					
33.800						.0235				
41.000							.0924			
44.800				-.1648				.1771	.2283	

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC4

(RJPC05)

RN/L ( 1 ) = 5.891 ALPHA ( 5 ) = 6.182

SECTION ( 1 )	TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
50.100	-.2649	-.2992	-.3183	-.1484	-.0680				.2279		
52.900						.0087					
64.000							.0282				
67.200	-.4548										
71.500								.1248			
72.200					-.2188						
75.900						-.0681					
82.800							.1336				
92.200							.1418				
93.000	-.5017										
93.500								.1921			
94.000				-.2907							
99.100						.0223					
101.400	-.4811		-.4700	-.4625	-.3180				.2209		
103.400	-.4661										
105.900					-.1717						
106.100							.1360				
115.600	-.4593	-.4905	-.5710	-.3502					.2221		
117.600					-.0774						
119.000						.0576					
120.500							.1402				
124.400								.1881			
133.100					-.0425						
133.500						.0611					
133.800	-.5530	-.5030	-.5154	-.2424					.2204		
134.000							.1306				
142.500							.1339				
147.300						.0611					
148.100					-.0469						
149.100	-.5229	-.4835	-.4065	-.2273					.2239		
156.200						.0454					
157.900					-.0842						
159.500	-.5912										
180.000	-.5927	-.3849	-.3173	-.2274	-.0914	.0320	.1340	.1963	.2237	.2380	

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TABULATED SOURCE DATA - LABI

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LARC LTPT 229(LA81) WBEVRICH

(RJPC05)

RN/L ( 1 ) = 5.904 ALPHA ( 6 ) = 8.095 BETA = .00000 MACH = .20116 Q(PSF) = 246.18

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CF									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI:										
.000		-.2877	-.2873	-.1633	-.0711	.0079	.0833	.1600	.2197	.2347
24.000							.0824			
27.800	-.2228									
28.700			-.2543							
29.400				-.1585						
30.400								.1618		
31.300					-.0749					
33.800						.0039				
41.000							.0745			
44.800				-.1830				.1634	.2210	
50.100	-.2755	-.3055	-.3277	-.1667	-.0860				.2182	
52.900						-.0104				
64.000							.0112			
67.200	-.4972									
71.500								.1135		
72.200					-.2246					
75.900						-.0792				
82.800							.1205			
92.200							.1297			
93.000	-.5390									
93.500								.1819		
94.000				-.3116						
99.100						.0160				
101.400	-.5339		-.5110	-.4969	-.3418				.2214	
103.400	-.5132									
105.900					-.1914					
106.100							.1304			
115.600	-.5036	-.5282	-.6014	-.3762					.2143	
117.600					-.0973					
119.000						.0471				
120.500							.1296			
124.400								.1800		
133.100					-.0611					
133.500						.0469				
133.800	-.5854	-.5325	-.5358	-.2636					.2163	
134.000							.1241			
142.500							.1216			
147.300						.0482				
148.100					-.0600					
149.100	-.5522	-.5089	-.4194	-.2397					.2148	
156.200						.0324				
157.900					-.0995					
159.500	-.6261									
180.000	-.7256	-.3677	-.3305	-.2403	-.1071	.0156	.1115	.1919	.2168	.2347

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVITC4

(RJPC05)

RN/L ( 1 ) = 5.885 ALPHA ( 7 ) = 10.150 BETA = .00000 MACH = .20116 Q(PSF) = 246.18

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2970
PHI										
.000		-.3063	-.2922	-.1771	-.0898	-.0090	.0672	.1427	.2115	.2322
24.000							.064			
27.800	-.2280									
28.700			-.2672							
29.400				-.1798						
30.400								.1514		
31.300					-.0926					
33.800						-.0214				
41.000							.068			
44.800				-.1983				.1510	.2128	
50.100	-.2828	-.2922	-.3134	-.1778	-.1046				.2117	
52.900						-.0242				
64.000							-.0129			
67.200	-.5154									
71.500								.0952		
72.200					-.2358					
75.900						-.0941				
82.800							.1076			
92.200							.1159			
93.000	-.5938									
93.500								.1745		
94.000				-.3347						
99.100						-.0050				
101.400	-.5665		-.5598	-.5357	-.3728				.2138	
103.400	-.5520									
105.900					-.2152					
105.100							.1137			
115.600	-.5606	-.5636	-.6656	-.4073					.2078	
117.600					-.1158					
119.000						.0379				
120.500							.1077			
124.400								.1696		
133.100					-.0887					
133.500						.0263				
133.800	-.6173	-.5649	-.5512	-.2855					.2083	
134.000							.1056			
142.500							.1054			
147.300						.0265				
148.100					-.0959					
149.100	-.5795	-.5374	-.4416	-.2677					.2081	
156.200						-.0018				
157.900					-.1278					
159.500	-.6639									
180.000	-.7693	-.3983	-.3552	-.2629	-.1394	-.0159	.0559	.1800	.2068	.2322

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81).WBEVRTC4

(R. PC06) ( 11 MAR 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = .000 AILRON = .000  
 SPDBRK = .000 MACH = .200

RN/L ( 1 ) = 8.014 ALPHA ( 1 ) = -2.054 BETA = .00000 MACH = .19999 Q(PSF) = 327.70

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2700	-.2470	-.1050	-.0055	.0794	.1189	.1991	.2302	.2388
24.000							.1184			
27.800	-.1886									
28.700			-.2173							
29.400				-.1097						
30.400								.1973		
31.300					-.0133					
33.800						.0740				
41.000							.1159			
44.800				-.1429				.1963	.2304	
50.100	-.3665	-.3834	-.2943	-.1290	-.0250				.2260	
52.900						.0658				
64.000							.0631			
67.200	-.4179									
71.500								.1536		
72.200					-.1966					
75.900						-.0361				
82.800							.1595			
92.200							.1572			
93.000	-.4517									
93.500								.2062		
94.000				-.2630						
99.100						.0440				
101.400	-.4329		-.4230	-.4296	-.2908				.2127	
103.400	-.4240									
105.900					-.1094					
106.100							.1458			
115.600	-.4072	-.4357	-.5010	-.2694					.2251	
117.600					-.0650					
119.000						.0666				
120.500							.1278			
124.400								.1818		
133.100					-.0697					
133.500						.0632				
133.800	-.4740	-.4483	-.5210	-.2804					.2233	
134.000							.1187			
142.500							.1150			
147.300							.0202			

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TABULATED SOURCE DATA - LAB1

PAGE 31

LARC LTPT 229(LAB1) WBE/RTC4

(RJPC06)

RN/L ( 1 ) = 8.014 ALPHA ( 1 ) = -2.054

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
148.100					-.1301					
149.100	-.4508	-.4381	-.4203	-.3044					.2259	
156.200						-.0338				
157.900					-.1649					
159.500	-.5223									
180.000	-.5006	-.4113	-.3606	-.2928	-.1738	-.0459	.0889	.1917	.2270	.2388

RN/L ( 1 ) = 8.016 ALPHA ( 2 ) = .111 BETA = .00000 MACH = .19999 Q(PSF) = 327.70

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2685	-.2541	-.1104	-.0135	-.0705	.1437	.1955	.2296	.2357
24.000							.1409			
27.800	-.1861									
28.700			-.2145							
29.400				-.1154						
30.400								.1949		
31.300					-.0232					
33.800						.0630				
41.000							.1384			
44.800				-.1469				.1950	.2280	
50.100	-.3312	-.3525	-.2934	-.1333	-.0360				.2253	
52.900						.0528				
64.000							.0548			
67.200	-.4254									
71.500								.1458		
72.200					-.2040					
75.900						-.0476				
82.800							.1538			
92.200							.1563			
93.000	-.4640									
93.500								.2072		
94.000				-.2729						
99.100						.0327				
101.400	-.4486		-.4389	-.4429	-.3030				.2135	
103.400	-.4368									
105.900					-.1292					
106.100							.490			
115.600	-.4174	-.4456	-.5168	-.2876					.2210	
117.600					-.0649					
119.000						.0604				
120.500							.373			



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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(L 31) WBEVRTC4

(RJPC06)

RN/L ( 1 ) = 8.016 ALPHA ( 2 ) = .111

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB . . .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

124.400								.1819		
133.100					-.0589					
133.500						.0686				
133.800	-.5001	-.4644	-.5181	-.2683					.2240	
134.000							.221			
142.500							.269			
147.300						.0385				
148.100					-.1028					
149.100	-.4728	-.4525	-.4202	-.2854					.2241	
156.200						-.0031				
157.900					-.1438					
159.500	-.5457									
180.000	-.5253	-.4008	-.3553	-.2757	-.1509	-.0186	.1075	.1921	.2239	.2357

RN/L ( 1 ) = 8.040 ALPHA ( 3 ) = 2.044 BETA = .00000 MACH = .19999 Q(PSF) = 327.70

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB . . .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.2685	-.2587	-.1198	-.0253	.0592	.1314	.1891	.2261	.2371
24.000							.1297			
27.800	-.1888									
28.700			-.2217							
29.400				-.1227						
30.400								.1911		
31.300					-.0307					
33.800						.0521				
41.000							.1255			
44.800				-.1525				.1917	.2279	
50.100	-.3009	-.3210	-.2964	-.1363	-.0478				.2269	
52.900						.0380				
64.000							.0466			
67.200	-.4373									
71.500								.1403		
72.200					-.2118					
75.900						-.0558				
82.800							.1467			
92.200							.1543			
93.000	-.4742									
93.500								.2003		
94.000				-.2756						
99.100						.0327				
101.400	-.4613		-.4498	-.4510	-.3105				.2170	

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WEZVRTC4

(RJPC06)

RN/L ( 1 ) = 8.040 ALPHA ( 3 ) = 2.044

SECTION ( 1 ) TAIL CONE				DEPENDENT VARIABLE CP						
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
103.400	-.4452									
105.900					-.1394					
106.100							.1488			
115.600	-.4278	-.4587	-.5317	-.3036					.2229	
117.600					-.0660					
119.000						.0622				
120.500							.1460			
124.400								.1823		
133.100					-.0481					
133.500						.0721				
133.800	-.5177	-.4754	-.5178	-.2574					.2229	
134.000							.1281			
142.500							.1330			
147.300						.0529				
148.100					-.0776					
149.100	-.4901	-.4641	-.4157	-.2653					.2255	
156.200						.0217				
157.900					-.1163					
159.500	-.5590									
180.000	-.5329	-.3908	-.3423	-.2478	-.1189	.0108	.1232	.1926	.2264	.2371

RN/L ( 1 ) = 8.009 ALPHA ( 4 ) = 4.038 BETA = .00000 MACH = .19999 Q(PSF) = 327.70

SECTION ( 1 ) TAIL CONE				DEPENDENT VARIABLE CP						
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2690	-.2594	-.1289	-.0395	.0447	.1191	.1829	.2266	.2390
24.000							.1172			
27.800	-.1889									
28.700			-.2267							
29.400				-.1322						
30.400								.1865		
31.300					-.0414					
33.800						.0389				
41.000							.1078			
44.800				-.1577				.1859	.2254	
50.100	-.2668	-.2960	-.3058	-.1395	-.0586				.2249	
52.900						.0222				
64.000							.0400			
67.200	-.4454									
71.500								.1359		
72.200					-.2163					
75.900						-.0626				

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TABULATED SOURCE DATA - LAB1

PAGE 34

LARC LTPT 229(LAB1) WBEVRTC+

(RJPC06)

RN/L ( 1 ) = 8.009 ALPHA ( 4 ) = 4.038

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
------	-------	--------	--------	--------	--------	--------	--------	--------	--------	--------

PHI

82.800							.1425			
92.200							.1517			
93.000	-.4843									
93.500								.1969		
94.000				-.2622						
99.100						.0298				
101.400	-.4719		-.4577	-.4558	-.3116				.2196	
103.400	-.4547									
105.900					-.1588					
106.100							.1427			
115.600	-.4414	-.4720	-.5513	-.3260					.2192	
117.600					-.0676					
119.000						.0633				
120.500							.1468			
124.400								.1850		
133.100					-.0419					
133.500						.0706				
133.800	-.5358	-.4873	-.5153	-.2486					.2248	
134.000							.1311			
142.500							.1376			
147.300						.0606				
148.100					-.0573					
149.100	-.5058	-.4738	-.4111	-.2454					.2258	
156.200						.0312				
157.900					-.0997					
159.500	-.5773									
180.000	-.5692	-.4300	-.3437	-.2389	-.1078	.0248	.1299	.1913	.2263	.2390

RN/L ( 1 ) = 8.049 ALPHA ( 5 ) = 6.102 BETA = .00000 MACH = .19999 Q(PSF) = 327.70

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
------	-------	--------	--------	--------	--------	--------	--------	--------	--------	--------

PHI

.000		-.2763	-.2681	-.1445	-.0525	.0292	.1037	.1756	.2279	.2433
24.000							.1028			
27.800	-.1934									
28.700			-.2391							
29.400				-.1456						
30.400								.1775		
31.300					-.0549					
33.800						.0248				
41.000							.0930			
44.800				-.1683				.1765	.2295	

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRT(4

(RJPC06)

RN/L ( 1 ) = 8.049 ALPHA ( 5 ) = 6.102

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
50.100	-.2594	-.2956	-.3181	-.1503	-.0693				.2282	
52.900						.0081				
64.000							.0225			
67.200	-.4545									
71.500								.1298		
72.200					-.2235					
75.900						-.0694				
82.800							.1385			
92.200							.1452			
93.000	-.5034									
93.500								.1899		
94.000				-.2944						
99.100						.0220				
101.400	-.4913		-.4730	-.4707	-.3258				.2281	
103.400	-.4713									
105.900						-.1757				
106.100							.1397			
115.600	-.4654	-.4944	-.5790	-.3584					.2236	
117.600					-.0797					
119.000						.0582				
120.500							.1432			
124.400								.1886		
133.100					-.0447					
133.500						.0654				
133.800	-.5598	-.5044	-.5198	-.2487					.2258	
134.000							.1346			
142.500							.1381			
147.300						.0657				
148.100					-.0470					
149.100	-.5248	-.4879	-.4093	-.2308					.2268	
156.200						.0446				
157.900					-.0860					
159.500	-.5964									
180.000	-.5957	-.3737	-.3215	-.2229	-.0923	.0303	.1345	.1983	.2281	.2433

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRIC4

(RJPC06)

RN/L ( 1 ) = 8.045 ALPHA ( 6 ) = 8.097 BETA = .00000 MACH = .19999 Q(PSF) = 327.70

SECTION ( 1 ) TAIL CONE

- DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2971	-.2915	-.1624	-.0738	.0080	.0862	.1616	.2225	.2399
24.000							.083			
27.800	-.2147									
28.700			-.2540							
29.400				-.1610						
30.400								.1677		
31.300					-.0743					
33.800						.0034				
41.000							.0793			
44.800				-.1884				.1704	.2188	
50.100	-.2694	-.2996	-.3328	-.1706	-.0876				.2200	
52.900						-.0069				
64.000							.0090			
67.200	-.4916									
71.500								.1161		
72.200					-.2264					
75.900						-.0765				
82.800							.1245			
92.200							.1310			
93.000	-.5399									
93.500								.1781		
94.000				-.3102						
99.100						.0132				
101.400	-.5444		-.5076	-.4976	-.3518				.2207	
103.400	-.5078									
105.900					-.2000					
106.100							.1285			
115.600	-.5126	-.5367	-.6251	-.3829					.2146	
117.600					-.0965					
119.000						.0394				
120.500							.1290			
124.400								.1785		
133.100					-.0616					
133.500						.0472				
133.800	-.5985	-.5351	-.5342	-.2682					.2174	
134.000							.1235			
142.500							.1240			
147.300						.0495				
148.100					-.0633					
149.100	-.5568	-.5159	-.4212	-.2400					.2144	
156.200						.0235				
157.900					-.1054					
159.500	-.6350									
180.000	-.6676	-.3765	-.3349	-.2415	-.1116	.0115	.1175	.1928	.2170	.2399

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LA81) WBEVRTC4

(RJPC07) ( 11 MAR 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = .000 AILRON = .000  
 SPDBRK = .000 MACH = .200

RN/L ( 1 ) = 10.052 ALPHA ( 1 ) = -2.104 BETA = .0000 MACH = .19938 Q(P5F) = 417.76

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2692	-.2413	-.1068	-.0114	.0793	.1511	.2011	.2346	.2404
24.000							.1506			
27.800	-.1847									
28.700			-.2237							
29.400				-.1107						
30.400								.1997		
31.300					-.0136					
33.800						.0744				
41.000							.1469			
44.800				-.1457				.2017	.2350	
50.100	-.3710	-.3844	-.2946	-.1301	-.0283				.2328	
52.900						.0646				
64.000							.0636			
67.200	-.4155									
71.500								.1553		
72.200					-.1941					
75.900						-.0366				
82.800							.1615			
92.200							.1602			
93.000	-.4538									
93.500								.2101		
94.000				-.2626						
99.100						.0460				
101.400	-.4344		-.4256	-.4322	-.2932				.2128	
103.400	-.4269									
105.900					-.1097					
106.100							.1468			
115.600	-.4082	-.4398	-.5088	-.2720					.2315	
117.600					-.0670					
119.000						.0658				
120.500							.13 2			
124.400								.1856		
133.100					-.0708					
133.500						.0629				
133.800	-.4833	-.4492	-.5239	-.2841					.2269	
134.000							.12 9			
142.500							.1157			
147.300						.0192				

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVF-TC4

(RJPC07)

RN/L ( 1 ) = 10.052 ALPHA ( 1 ) = -2.104

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
148.100					- .1360						
149.100	- .4514	- .4406	- .4220	- .3075					.2289		
156.200						- .0332					
157.900					- .1676						
159.500	- .5249										
180.000	- .5141	- .3865	- .3543	- .2966	- .1691	- .0474	.0893	.1926	.2281	.2404	

RN/L ( 1 ) = 10.037 ALPHA ( 2 ) = -.030 BETA = .00000 MACH = .19938 Q(PSF) = 417.76

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		- .2684	- .2476	- .1128	- .0148	.0698	.1439	.1962	.2339	.2403	
24.000							.1338				
27.800	- .1829										
28.700			- .2239								
29.400				- .1167							
30.400								.1998			
31.300					- .0227						
33.800						.0617					
41.000							.1334				
44.800				- .1517				.1990	.2317		
50.100	- .3343	- .3570	- .2974	- .1357	- .0383				.2308		
52.900						.0512					
64.000							.0511				
67.200	- .4282										
71.500								.1482			
72.200					- .2070						
75.900						- .0530					
82.800							.1556				
92.200							.1600				
93.000	- .4661										
93.500								.2083			
94.000				- .2740							
99.100						.0344					
101.400	- .4525		- .4413	- .4461	- .3079				.2113		
103.400	- .4403										
105.900					- .1303						
106.100							.1512				
115.600	- .4197	- .4508	- .5201	- .2896					.2260		
117.600					- .0670						
119.000						.0616					
120.500							.1378				

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEV RTC4

(RJPC07)

RN/L ( 1 ) = 10.037 ALPHA ( 2 ) = -.030

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP.

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
124.400								.1850		
133.100					-.0609					
133.500						.0688				
133.800	-.5025	-.4640	-.5239	-.2740					.2236	
134.000							.1226			
142.500							.1276			
147.300						.0359				
148.100					-.1086					
149.100	-.4760	-.4589	-.4231	-.2903					.2270	
156.200						-.0085				
157.900					-.1461					
159.500	-.5503									
180.000	-.5366	-.3981	-.3544	-.2812	-.1535	-.0224	.1069	.1938	.2248	.2403

RN/L ( 1 ) = 10.030 ALPHA ( 3 ) = 2.014 BETA = .00000 MACH = .19938 Q(PSF) = 417.76

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP.

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2705	-.2545	-.1232	-.0279	.0560	.1289	.1884	.2304	.2385
24.000							.1268			
27.800	-.1795									
28.700		-.2263								
29.400			-.1272							
30.400								.1919		
31.300					-.0340					
33.800						.0480				
41.000							.1238			
44.800				-.1568				.1921	.2305	
50.100	-.3009	-.3234	-.3012	-.1374	-.0500				.2303	
52.900						.0348				
64.000							.0420			
67.200	-.4315									
71.500								.1413		
72.200				-.2175						
75.900					-.0651					
82.800							.1477			
92.200							.1572			
93.000	-.4809									
93.500								.2023		
94.000			-.2795							
99.100						.0308				
101.400	-.4865		-.4504	-.4518	-.3146				.2196	



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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBE/RTC4

(RJPC07)

RN/L ( 1 ) = 10.030 ALPHA ( 3 ) = 2.014

SECTION ( 1 ) TAIL CONE				DEPENDENT VARIABLE CP						
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
103.400	-.4512									
105.900					-.1473					
106.100							.1482			
115.600	-.4303	-.4637	-.5395	-.3088					.2263	
117.600					-.0689					
119.000						.0613				
120.500							.1456			
124.400								.1864		
133.100					-.0505					
133.500						.0732				
133.800	-.5241	-.4778	-.5223	-.2607					.2241	
134.000							.1286			
142.500							.1332			
147.300						.0535				
148.100					-.0806					
149.100	-.4943	-.4692	-.4181	-.2684					.2269	
156.200						.0159				
157.900					-.1215					
159.500	-.5664									
180.000	-.5370	-.4014	-.3427	-.2594	-.1259	.0058	.1198	.1921	.2280	.2385

RN/L ( 1 ) = 10.033 ALPHA ( 4 ) = 4.178 BETA = .00000 MACH = .19938 Q(PSF) = 417.76

SECTION ( 1 ) TAIL CONE				DEPENDENT VARIABLE CP						
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2723	-.2601	-.1333	-.0437	.0417	.1180	.1830	.2281	.2435
24.000							.1148			
27.800	-.1817									
28.700			-.2335							
29.400				-.1365						
30.400								.1879		
31.300					-.0447					
33.800						.0352				
41.000							.1089			
44.800				-.1644				.1866	.2281	
50.100	-.2714	-.3019	-.3108	-.1437	-.0615				.2290	
52.900						.0209				
64.000							.1323			
67.200	-.4452									
71.500								.1362		
72.200					-.2215					
75.900						-.0656				

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4

(RJPC07)

RN/L ( 1 ) = 10.033 ALPHA ( 4 ) = 4.179

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

82.800						.1431			
92.200						.1513			
93.000	-.4895								
93.500							.2002		
94.000				-.2874					
99.100					.0266				
101.400	-.4778		-.4606	-.4574	-.3172			.2227	
103.400	-.4604								
105.900					-.1701				
106.100						.1442			
115.600	-.4461	-.4792	-.5601	-.3333				.2228	
117.600					-.0700				
119.000						.0652			
120.500						.1487			
124.400							.1874		
133.100					-.0418				
133.500						.0721			
133.800	-.5426	-.4907	-.5191	-.2498				.2265	
134.000						.1356			
142.500						.1418			
147.300						.0650			
148.100					-.0557				
149.100	-.5128	-.4796	-.4118	-.2430				.2290	
156.200						.0392			
157.900					-.0976				
159.500	-.5730								
180.000	-.5828	-.6511	-.3431	-.2403	-.1026	.0230	.1320	.1968	.2290 .2435

RN/L ( 1 ) = 10.053 ALPHA ( 5 ) = 6.092 BETA = .00000 MACH = .19938 Q(PSF) = 417.76

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.2814	-.2759	-.1488	-.0580	.0248	.1022	.1737	.2281	.2415
24.000							.1014			
27.800	-.1991									
28.700			-.2411							
29.400				-.1496						
30.400								.1803		
31.300					-.0598					
33.800						.0189				
41.000							.0959			
44.800				-.1772				.1792	.2268	

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTCH

(RJPC07)

RN/L ( 1 ) = 10.053 ALPHA ( 5 ) = 6.092

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PH1										
50.100	-.2712	-.3120	-.3245	-.1557	-.0728					.2277
52.900						.0058				
64.000							.0152			
67.200	-.4670									
71.500								.1266		
72.200					-.2290					
75.900						-.0656				
82.800							.1360			
92.200							.1430			
93.000	-.5136									
93.500								.1949		
94.000				-.3012						
99.100						.0174				
101.400	-.4979		-.4811	-.4751	-.3301					.2249
103.400	-.4820									
105.900					-.1876					
106.100							.1384			
115.600	-.4664	-.5042	-.5888	-.3614						.2227
117.600					-.0831					
119.000						.0580				
120.500							.1423			
124.400								.1924		
133.100					-.0465					
133.500						.0667				
133.800	-.5728	-.5089	-.5275	-.2533						.2233
134.000							.1362			
142.500							.1387			
147.300						.0641				
148.100					-.0496					
149.100	-.5328	-.4928	-.4116	-.2367						.2245
156.200						.0449				
157.900					-.0897					
159.500	-.6078									
180.000	-.6023	-.3774	-.3289	-.2284	-.0949	.0296	.1336	.2011	.2267	.2415

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBERTCH+V.T.STRUT

(RJPC08) ( 06 MAY 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = .000 AILRON = .000  
 SPDBRK = .000 MACH = .200

PV/L ( 1 ) = 2.022 ALPHA ( 1 ) = -1.933 BETA = .00000 MACH = .19964 Q(PSF) = 82.408

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2602	-.2388	-.1011	-.0040	.0738	.1308	.1632	.1910	.1986
24.000							.1312			
27.800	-.1832									
28.700			-.2008							
29.400				-.1080						
30.400								.1649		
31.300					-.0170					
33.800						.0634				
41.000							.1262			
44.800				-.1326				.1643	.1925	
50.100	-.3155	-.3518	-.2798	-.1321	-.0311				.1896	
52.900						.0600				
64.000							.0494			
67.200	-.4043									
71.500								.1331		
72.200					-.1907					
75.900						-.0490				
82.800							.1360			
92.200							.1358			
93.000	-.4443									
93.500								.1752		
94.000				-.2593						
99.100						.0432				
101.400	-.4189		-.4194	-.4261	-.2794				.1894	
103.400	-.4187									
105.900					-.1072					
106.100							.1228			
115.600	-.4037	-.4199	-.4844	-.2633					.1904	
117.600					-.0663					
119.000						.0549				
120.500							.1039			
124.400								.1604		
133.100					-.0655					
133.500						.0499				
133.800	-.4783	-.4672	-.5272	-.2701					.1909	
134.000							.0996			
142.500							.0990			
147.300						.0055				

DATE 06 MAY 76

TABULATED SOURCE DATA - L481

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LARC LTPT 229(LAB1) WBERTC4+V.T.STRUT

(RJPC08)

RN/L ( 1 ) = 2.022 ALPHA ( 1 ) = -1.933

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

148.100										
149.100	-.4898	-.4907	-.4616	-.2851					.1906	
156.200						-.0016				
157.900						-.1449				
159.500	-.6397									
180.000	-.6947	-.6319	-.3406	-.2178	-.1130	-.0038	.0915	.1585	.1919	.1986

RN/L ( 1 ) = 2.023 ALPHA ( 2 ) = .060 BETA = .00000 MACH = .19964 Q(PSF) = 82.408

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.2616	-.2471	-.1082	-.0127	.0644	.1252	.1595	.1874	.1942
24.000							.1235			
27.800	-.1855									
28.700			-.2042							
29.400				-.1149						
30.400								.1626		
31.300					-.0256					
33.800						.0527				
41.000							.1209			
44.800				-.1390				.1625	.1879	
50.100	-.3158	-.3463	-.2866	-.1374	-.0406				.1850	
52.900						.0474				
64.000							.0405			
67.200	-.4172									
71.500								.1267		
72.200					-.2033					
75.900						-.0626				
82.800							.1299			
92.200							.1327			
93.000	-.4576									
93.500								.1725		
94.000				-.2701						
99.100						.0344				
101.400	-.4322		-.4314	-.4338	-.2850				.1848	
103.400	-.4300									
105.900					-.1246					
106.100							.1217			
115.600	-.4110	-.4279	-.4954	-.2749					.1840	
117.600					-.0652					
119.000						.0524				
120.500							.1032			

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBERTCH+V.T.STRUT

(RJPC08)

RN/L ( 1 ) = 2.023 ALPHA ( 2 ) = .060

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
124.400								.1547		
133.100					-.0554					
133.500						.0520				
133.800	-.4941	-.4779	-.5253	-.2591					.1854	
134.000							.0983			
142.500							.0963			
147.300							.0067			
148.100					-.0984					
149.100	-.5054	-.5017	-.4586	-.2637					.1880	
156.200						.0095				
157.900					-.1270					
159.500	-.6495									
180.000	-.6987	-.6500	-.3568	-.2128	-.0985	.0081	.0932	.1536	.1886	.1942

RN/L ( 1 ) = 2.018 ALPHA ( 3 ) = 2.195 BETA = .00000 MACH = .19964 Q(PSF) = 82.408

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2655	-.2549	-.1202	-.0277	.0483	.1132	.1572	.1841	.1907
24.000							.1098			
27.800	-.1873									
28.700			-.2092							
29.400				-.1247						
30.400								.1606		
31.300					-.0384					
33.800						.0381				
41.000							.1078			
44.800				-.1468				.1610	.1860	
50.100	-.2933	-.3253	-.2898	-.1429	-.0536				.1857	
52.900						.0290				
64.000							.0290			
67.200	-.4291									
71.500								.1157		
72.200					-.2139					
75.900						-.0729				
82.800							.1174			
92.200							.1204			
93.000	-.4679									
93.500								.1625		
94.000				-.2701						
99.100						.0224				
101.400	-.4494		-.4472	-.4490	-.2986				.1732	

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DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBERIC4+V.T.STRUT

(RJPC08)

RN/L ( 1 ) = 2.018 ALPHA ( 3 ) = . 2.195

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE C <sup>2</sup>									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
103.400	-.4412										
105.900					-.1422						
106.100							.1120				
115.600	-.4236	-.4406	-.5097	-.2911					.1783		
117.600					-.0647						
119.000						.0486					
120.500							.0960				
124.400								.1309			
133.100					-.0476						
133.500						.0481					
133.800	-.5103	-.4879	-.5198	-.2458					.1830		
134.000							.0888				
142.500							.0818				
147.300						.0089					
148.100					-.0873						
149.100	-.5167	-.5088	-.4495	-.2372					.1826		
156.200						.0116					
157.900					-.1145						
159.500	-.6510										
180.000	-.6956	-.6500	-.3638	-.2009	-.0841	.0189	.0894	.1411	.1835	.1907	

RN/L ( 1 ) = 2.018 ALPHA ( 4 ) = 4.148 BETA = .00000 MACH = .19964 Q(PSF) = 82.408

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE C <sup>2</sup>									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.2686	-.2591	-.1328	-.0401	.0359	.1028	.1525	.1862	.1872	
24.000							.0990				
27.800	-.1857										
28.700			-.2156								
29.400				-.1342							
30.400								.1569			
31.300					-.0493						
33.800						.0262					
41.000							.0566				
44.800				-.1540				.1586	.1856		
50.100	-.2651	-.3015	-.2932	-.1466	-.0646				.1857		
52.900						.0171					
64.000							.0225				
67.200	-.4393										
71.500								.1093			
72.200					-.2197						
75.900						-.0773					

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LA81) WBEPTC4+V.T.STRUT

(RJPC08)

RN/L ( 1 ) = 2.018 ALPHA ( 4 ) = 4.148

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PH1										
82.800							.1116			
92.200							.1135			
93.000	-.4714									
93.500								.1580		
94.000				-.2830						
99.100						.0150				
101.400	-.4586		-.4544	-.4524	-.3028				.1716	
103.400	-.4461									
105.900					-.1553					
106.100							.1079			
115.600	-.4337	-.4507	-.5281	-.3082					.1746	
117.600					-.0656					
119.000						.0521				
120.500							.0993			
124.400								.1367		
133.100					-.0402					
133.500						.0456				
133.800	-.5247	-.4977	-.5176	-.2364					.1794	
134.000							.0919			
142.500							.0678			
147.300						.0231				
148.100					-.0702					
149.100	-.5283	-.5165	-.4451	-.2187					.1799	
156.200						.0212				
157.900					-.0939					
159.500	-.6554									
180.000	-.7139	-.6805	-.3544	-.1882	-.0708	.0237	.0923	.1410	.1811	.1872

RN/L ( 1 ) = 2.020 ALPHA ( 5 ) = 6.313 BETA = .00000 MACH = .19964 Q(PSF) = 82.408

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PH1										
.000		-.2869	-.2811	-.1542	-.0619	.0149	.0943	.1416	.1815	.1885
24.000							.0909			
27.800	-.2071									
28.700			-.2322							
29.400				-.1532						
30.400								.1453		
31.300					-.0692					
33.800						.0076				
41.000							.0799			
44.800				-.1710				.1471	.1830	



DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBERTCH+V.T.STRUT

(RJPC08)

RN/L ( 1 ) = 2.020 ALPHA ( 5 ) = 6.313

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

CP/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
50.100	-.2707	-.3194	-.3212	-.1640	-.0817				.1820	
52.900					.0001					
64.000							.0099			
67.200	-.4797									
71.500								.0997		
72.200					-.2332					
75.900						-.0838				
82.800							.1055			
92.200							.1050			
93.000	-.5034									
93.300								.1545		
94.000				-.2963						
99.100						.0085				
101.400	-.4882		-.4824	-.4710	-.3170				.1811	
103.400	-.4750									
105.900					-.1741					
106.100							.1007			
115.600	-.4637	-.4816	-.5581	-.3353					.1775	
117.600					-.0788					
119.000						.0440				
120.500							.0972			
124.400								.1451		
133.100					-.0486					
133.500						.0372				
133.800	-.5545	-.5220	-.5267	-.2427					.1784	
134.000							.0922			
142.500							.0974			
147.300						.0163				
148.100					-.0808					
149.100	-.5505	-.5333	-.4455	-.2143					.1793	
156.200						.0229				
157.900					-.0965					
159.500	-.6751									
180.000	-.7328	-.7024	-.3840	-.1957	-.0740	.0244	.0993	.1497	.1800	.1885

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBERTC4-V.T.STRUT

(RJPC08)

RN/L ( 1 ) = 2.028 ALPHA ( 6 ) = 8.387 BETA = .00000 MACH = .19964 Q(PSF) = 82.408

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3144	-.3129	-.1799	-.0869	-.0066	.0644	.1281	.1789	.1888
24.000							.0615			
27.800	-.2390									
28.700			-.2662							
29.400				-.1752						
30.400								.1344		
31.300					-.0911					
33.800						-.0129				
41.000							.0621			
44.800				-.1926				.1357	.1805	
50.100	-.2875	-.3397	-.3486	-.1857	-.1009				.1786	
52.900						-.0192				
64.000							-.0021			
67.200	-.5386									
71.500								.0910		
72.200				-.2407						
75.900					-.0909					
82.800							.0950			
92.200							.0981			
93.000	-.5821									
93.500								.1415		
94.000				-.3140						
99.100						.0084				
101.400	-.5588		-.5410	-.5126	-.3377				.1789	
103.400	-.5420									
105.900					-.1823					
106.100							.0997			
115.600	-.5207	-.5295	-.5961	-.3593					.1741	
117.600					-.0916					
119.000						.0372				
120.500							.0971			
124.400								.1424		
133.100					-.0685					
133.500						.0306				
133.800	-.5897	-.5530	-.5455	-.2652					.1739	
134.000							.0897			
142.500							.0890			
147.300							.0090			
148.100					-.0960					
149.100	-.5815	-.5557	-.4644	-.2413					.1743	
156.200						.0089				
157.900					-.1159					
159.500	-.7036									
180.000	-.7822	-.6910	-.3995	-.2110	-.0864	.0142	.0926	.1483	.1766	.1888

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBERTCH+V.T.STRUT

(RJPC08)

RN/L ( 1 ) = 2.027 ALPHA ( 7 ) = 10.119 BETA = .00000 MACH = .19954 Q(PSF) = 82.408

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3272	-.3280	-.1970	-.1042	-.0240	.0513	.1208	.1825	.1914
24.000							.0474			
27.800	-.2527									
28.700			-.2838							
29.400				-.1913						
30.400								.1250		
31.300					-.1056					
33.800						-.0301				
41.000							.0521			
44.800				-.2075				.1258	.1830	
50.100	-.2992	-.3462	-.3533	-.2015	-.1145				.1792	
52.900						-.0332				
64.000							-.0154			
67.200	-.5632									
71.500								.0778		
72.200					-.2467					
75.900						-.1028				
82.800							.0842			
92.200							.0844			
93.000	-.6378									
93.500								.1347		
94.000				-.3374						
99.100						-.0003				
101.400	-.6113		-.5849	-.5517	-.3596				.1854	
103.400	-.5943									
105.900					-.1942					
106.100							.0870			
115.600	-.5647	-.5733	-.6364	-.3796					.1762	
117.600					-.0951					
119.000						.0287				
120.500							.0863			
124.400								.1318		
133.100					-.0810					
133.500						.0237				
133.800	-.6181	-.5806	-.5578	-.2794					.1739	
134.000							.0837			
142.500							.0800			
147.300						-.0029				
148.100					-.1079					
149.100	-.6080	-.5820	-.4887	-.2698					.1724	
156.200						-.0052				
157.900					-.1358					
159.500	-.7394									
180.000	-.8267	-.7383	-.4093	-.2291	-.1055	-.0042	.0815	.1443	.1734	.1914

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBERTCH+V.T.STRUT

(RJPC08)

RN/L ( 1 ) = 2.025 ALPHA ( 8 ) = 12.345 BETA = .00000 MACH = .19954 Q(PSF) = 82.408

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PH1										
.000		-.3444	-.3476	-.2201	-.1282	-.0461	.0324	.1062	.1741	.1888
24.000							.0275			
27.800	-.2715									
28.700			-.3027							
29.400				-.2158						
30.400								.1128		
31.300					-.1333					
33.800						-.0532				
41.000							.0415			
44.800				-.2227				.1122	.1724	
50.100	-.3198	-.3410	-.3394	-.2141	-.1269				.1696	
52.900						-.0465				
64.000							-.0435			
67.200	-.6249									
71.500								.0485		
72.200					-.2611					
75.900						-.1255				
82.800							.0575			
92.200							.0525			
93.000	-.7135									
93.500								.1116		
94.000				-.3722						
99.100						-.0244				
101.400	-.6880		-.6588	-.6182	-.4100				.1788	
103.400	-.6733									
105.900					-.2109					
106.100							.0619			
115.600	-.6299	-.6389	-.7032	-.4230					.1674	
117.600					-.1196					
119.000						-.0155				
120.500							.0619			
124.400								.1164		
133.100					-.1156					
133.500						-.0173				
133.800	-.6664	-.6236	-.5930	-.3119					.1668	
134.000							.0575			
142.500							.0495			
147.300						-.0430				
148.100					-.1638					
149.100	-.6649	-.6368	-.5439	-.3379					.1650	
156.200						-.0432				
157.900					-.1794					
159.500	-.7869									
180.000	-.8738	-.7810	-.4394	-.2633	-.1473	-.0419	.0525	.1296	.1668	.1888

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 52

LARC LTPT 229(LAB1) WBERT(4+V.T.STRUT

(RJPC08)

RN/L ( 1 ) = 2.026 ALPHA ( 9 ) = 14.227 BETA = .00001 MACH = .19964 Q(PSF) = 82.408

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.3573	-.3689	-.2448	-.1513	-.0685	.0091	.0870	.1565	.1746	
24.000							.0061				
27.800	-.2921										
28.700			-.3265								
29.400				-.2416							
30.400								.0960			
31.300					-.1538						
33.800						-.0759					
41.000							.0153				
44.800				-.2395				.0959	.1535		
50.100	-.3271	-.3269	-.3384	-.2283	-.1427				.1508		
52.900						-.0693					
64.000							-.0850				
67.200	-.6595										
71.500								.0246			
72.200					-.2801						
75.900						-.1586					
82.800							.0372				
92.200							.0337				
93.000	-.7706										
93.500								.0976			
94.000				-.4111							
99.100						-.0573					
101.400	-.7453		-.7169	-.6835	-.4633				.1564		
103.400	-.7427										
105.900					-.2542						
106.100							.0331				
115.600	-.7004	-.7082	-.7677	-.4764					.1498		
117.600					-.1849						
119.000						-.0504					
120.500							.0331				
124.400								.1042			
133.100					-.1735						
133.500						-.0615					
133.800	-.7168	-.6711	-.6477	-.3686					.1517		
134.000							.0261				
142.500							.0215				
147.300						-.0918					
148.100					-.2321						
149.100	-.7406	-.7112	-.6191	-.4199					.1528		
156.200						-.0890					
157.900					-.2309						
159.500	-.8402										
180.000	-.9264	-.8306	-.4801	-.3101	-.1933	-.0850	.0239	.1148	.1533	.1746	

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBERT 34+V.T.STRUT

(RJPC08)

RN/L (1) = 2.024 ALPHA (10) = 16.261 BETA = .0000 MACH = .19964 Q(PSF) = 82.408

SECTION (1) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3729	-.3855	-.2741	-.1870	-.1058	-.0232	.0611	.1329	.1575
24.000							-.0273			
27.800	-.3048									
28.700			-.3476							
29.400				-.2679						
30.400								.0675		
31.300					-.1911					
33.800						-.1121				
41.000							-.0234			
44.800				-.2776				.0625	.1302	
50.100	-.3355	-.3373	-.3886	-.2673	-.1856				.1308	
52.900						-.1146				
64.000							-.1373			
67.200	-.6963									
71.500								-.0212		
72.200				-.3170						
75.900					-.2067					
82.800							-.0059			
92.200							-.0060			
93.000	-.8127									
93.500								.0733		
94.000				-.4654						
99.100						-.1260				
101.400	-.8032		-.7689	-.7079	-.5043				.1250	
103.400	-.7978									
105.500					-.3275					
106.100							-.0117			
115.600	-.7710	-.7764	-.8329	-.5448					.1260	
117.600					-.2631					
119.000						-.1172				
120.500							-.0065			
124.400								.0775		
133.100					-.2322					
133.500						-.1335				
133.800	-.7890	-.7452	-.7246	-.4325					.1251	
134.000							-.0118			
142.500							-.0189			
147.300						-.1530				
148.100					-.3142					
149.100	-.8337	-.7937	-.7090	-.5123					.1294	
156.200						-.1499				
157.900					-.3046					
159.500	-.9031									
180.000	-.9846	-.8934	-.5558	-.3768	-.2575	-.1402	-.0115	.0845	.1278	.1575

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LARC LTPT 229(LAB1) WBERTCH+V.T.STRUT

(RJPC08)

RN/L (1) = 2.025 ALPHA (11) = 18.406 BETA = .00000 MACH = .19964 Q(PSF) = 82.408

SECTION (1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.4254	-.4476	-.3314	-.2483	-.1650	-.0799	.0140	.0862	.1149
24.000							-.0859			
27.800	-.3527									
28.700			-.3966							
29.400				-.3281						
30.400								.0173		
31.300					-.2465					
33.800						-.1687				
41.000							-.0870			
44.800				-.3155				.0147	.0872	
50.100	-.4008	-.4283	-.4911	-.3380	-.2517				.0795	
52.900						-.1701				
64.000							-.2164			
67.200	-.7159									
71.500								-.0999		
72.200					-.3700					
75.900						-.2766				
82.800							-.1015			
92.200							-.1232			
93.000	-.7862									
93.500								-.0206		
94.000				-.5112						
99.100						-.2239				
101.400	-.8168		-.7741	-.7178	-.5427				.0691	
103.400	-.7929									
105.900					-.4077					
106.100							-.0855			
115.600	-.8069	-.8006	-.8539	-.6068					.0697	
117.600					-.3606					
119.000						-.2191				
120.500							-.0996			
124.400								.0078		
133.100					-.3261					
133.500						-.2272				
133.800	-.8560	-.8019	-.7883	-.4868					.0756	
134.000							-.0899			
142.500							-.0987			
147.300						-.2009				
148.100					-.3284					
149.100	-.9209	-.8798	-.7772	-.5603					.0725	
156.200						-.2188				
157.900					-.3738					
159.500	-.9508									
180.000	-1.0524	-.9442	-.5992	-.4349	-.3244	-.2104	-.0857	.0281	.0802	.1149

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBERTC4+V.T.STRUT

(RJPC09) ( 06 MAY 76 )

## REFERENCE DATA

## PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

ELEVON = .000 AILRON = .000  
 SPDBRK = .000 MACH = .200

RN/L ( 1 ) = 4.038 ALPHA ( 1 ) = -1.913 BETA = 00000 MACH = .19946 Q(PSF) = 167.04

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2666	-.2415	-.1091	-.0104	.0695	.1366	.1808	.2065	.2106
24.000							.1331			
27.800	-.1895									
28.700			-.2168							
29.400				-.1139						
30.400								.1812		
31.300					-.0211					
33.800						.0621				
41.000							.1329			
44.800				-.1423				.1811	.2070	
50.100	-.3361	-.3700	-.2917	-.1358	-.0344				.2056	
52.900						.0558				
64.000							.0504			
67.200	-.4153									
71.500								.1366		
72.200					-.1953					
75.900						-.0460				
82.800							.1422			
92.200							.1412			
93.000	-.4526									
93.500								.1857		
94.000				-.2667						
99.100						.0358				
101.400	-.4287		-.4249	-.4331	-.2891				.1987	
103.400	-.4244									
105.900					-.1158					
106.100							.1304			
115.600	-.4087	-.4332	-.4989	-.2703					.2014	
117.600					-.0704					
119.000						.0550				
120.500							.1088			
124.400								.1689		
133.100					-.0688					
133.500						.0547				
133.800	-.4892	-.4698	-.5365	-.2805					.2027	
134.000							.1040			
142.500							.1019			
147.300							.0007			



DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) NBERTC4+V.T.STRUT

(RJPC09)

RN/L ( 1 ) = 4.038 ALPHA ( 1 ) = -1.913

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
148.100											
149.100	-.4971	-.4980	-.4655	-.2917	-.1140				.2021		
156.200						-.0078					
157.900					-.1521						
159.500	-.6519										
180.000	-.7081	-.6332	-.3455	-.2238	-.1173	-.0060	.0959	.1672	.2015	.2106	

RN/L ( 1 ) = 4.041 ALPHA ( 2 ) = .081 BETA = .00000 MACH = .19946 Q(PSF) = 167.04

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.2655	-.2473	-.1131	-.0179	.0599	.1270	.1730	.2022	.2068	
24.000							.1250				
27.800	-.1862										
28.700			-.2178								
29.400				-.1155							
30.400								.1771			
31.300					-.0284						
33.800						.0525					
41.000							.1265				
44.800				-.1449				.1758	.2035		
50.100	-.3156	-.3474	-.2959	-.1388	-.0420				.2036		
52.900						.0462					
64.000							.0414				
67.200	-.4236										
71.500								.1306			
72.200					-.2052						
75.900						-.0573					
82.800							.1349				
92.200							.1385				
93.000	-.4635										
93.500								.1832			
94.000				-.2763							
99.100						.0268					
101.400	-.4426		-.4385	-.4414	-.2985				.1915		
103.400	-.4351										
105.900					-.1317						
106.100							.1304				
115.600	-.4174	-.4396	-.5089	-.2838					.1943		
117.600					-.0685						
119.000						.0532					
120.500							.1115				

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBERTCH+V.T.STRUT

(RJPC09)

RN/L ( 1 ) = 4.041 ALPHA ( 2 ) = .081

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

124.400								.1614		
133.100					-.0595					
133.500						.0561				
133.800	-.5031	-.4784	-.5326	-.2697					.1970	
134.000							.1084			
142.500							.1013			
147.300						.0077				
148.100					-.1009					
149.100	-.5128	-.5092	-.4643	-.2696					.1976	
156.200						.0069				
157.900					-.1321					
159.500	-.6523									
180.000	-.7109	-.6493	-.3585	-.2139	-.1016	.0099	.0976	.1583	.1989	.2068

RN/L ( 1 ) = 4.039 ALPHA ( 3 ) = 2.034 BETA = .00000 MACH = .19946 Q(PSF) = 167.04

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.2681	-.2543	-.1238	-.0300	.0485	.1154	.1683	.1980	.1994
24.000							.1130			
27.800	-.1879									
28.700			-.2264							
29.400				-.1270						
30.400								.1706		
31.300					-.0387					
33.800						.0398				
41.000							.1127			
44.800				-.1502				.1725	.1982	
50.100	-.2918	-.3250	-.2964	-.1425	-.0522				.2000	
52.900						.0303				
64.000							.0309			
67.200	-.4274									
71.500								.1210		
72.200				-.2129						
75.900					-.0669					
82.800							.1256			
92.200							.1326			
93.000	-.4720									
93.500								.1774		
94.000				-.2834						
99.100						.0188				
101.400	-.4560		-.4497	-.4533	-.3100				.1771	

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBERTC4+V.T.STRUT

(RJPC09)

RN/L ( 1 ) = 4.039 ALPHA ( 3 ) = 2.034

SECTION ( 1 ) TAIL CONE				DEPENDENT VARIABLE CP						
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
103.400	-.4437									
105.900					-.1473					
106.100							.1182			
115.600	-.4257	-.4498	-.5243	-.2985					.1865	
117.600					-.0691					
119.000						.0503				
120.500							.1072			
124.400								.1527		
133.100					-.0486					
133.500						.0539				
133.800	-.5176	-.4881	-.5279	-.2571					.1879	
134.000							.0934			
142.500							.0937			
147.300						.0197				
148.100					-.0883					
149.100	-.5231	-.5170	-.4545	-.2435					.1960	
156.200						.0128				
157.900					-.1119					
159.500	-.6627									
180.000	-.7112	-.6642	-.3688	-.2062	-.0857	.0159	.0968	.1493	.1908	.1994

RN/L ( 1 ) = 4.044 ALPHA ( 4 ) = 4.108 BETA = .00000 MACH = .19946 Q(PSF) = 167.04

SECTION ( 1 ) TAIL CONE				DEPENDENT VARIABLE CP						
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2710	-.2608	-.1360	-.0445	.0336	.1009	.1593	.1937	.2015
24.000							.1000			
27.800	-.1879									
28.700			-.2294							
29.400				-.1378						
30.400								.1646		
31.300					-.0504					
33.800						.0264				
41.000							.0984			
44.800				-.1598				.1646	.1950	
50.100	-.2657	-.3024	-.3024	-.1471	-.0653				.1905	
52.900						.0157				
64.000							.0231			
67.200	-.4342									
71.500								.1127		
72.200					-.2202					
75.900						-.0771				

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LIPT 229(LAB1) WBERTIC4+V.T.STRUT

(RJPC09)

RN/L ( 1 ) = 4.044 ALPHA ( 4 ) = 4.108

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
82.800							.1157			
92.200							.1226			
93.000	-.4784									
93.500								.1690		
94.000				-.2874						
99.100						.0128				
101.400	-.4664		-.4570	-.4572	-.3123				.1860	
103.400	-.4519									
105.900					-.1644					
106.100							.1108			
115.600	-.4390	-.4630	-.5403	-.3191					.1816	
117.600					-.0706					
119.000						.0530				
120.500							.1080			
124.400								.1424		
133.100					-.0404					
133.500						.0530				
133.800	-.5348	-.4987	-.5260	-.2452					.1921	
134.000							.0911			
142.500							.0922			
147.300						.0216				
148.100					-.0748					
149.100	-.5370	-.5242	-.4481	-.2215					.1890	
156.200						.0236				
157.900					-.0935					
159.500	-.6690									
180.000	-.7201	-.6874	-.3604	-.1899	-.0717	.0230	.0916	.1495	.1910	.2015

RN/L ( 1 ) = 4.035 ALPHA ( 5 ) = 6.092 BETA = .00000 MACH = .19946 Q(PSF) = 167.04

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2794	-.2678	-.1489	-.0555	.0221	.0911	.1538	.1971	.2064
24.000							.0900			
27.800	-.1940									
28.700			-.2343							
29.400				-.1466						
30.400								.1565		
31.300					-.0617					
33.800						.0147				
41.000							.0855			
44.800				-.1679				.1586	.1952	

DATE 06 MAY 76

TABULATED SOURCE DATA -- LAB1

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LARC LTPT 229(LAB1) WBERTCH+V.T.STRUT

(RJPC09)

RN/L ( 1 ) = 4.035 ALPHA ( 5 ) = 6.092

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
50.100	-.2597	-.3060	-.3128	-.1577	-.0732				.1953	
52.900					.0029					
64.000						.0134				
67.200	-.4458									
71.500								.1085		
72.200				-.2256						
75.900					-.0839					
82.800						.1110				
92.200						.1177				
93.000	-.4933									
93.500								.1660		
94.000				-.2945						
99.100					.0094					
101.400	-.4815		-.4687	-.4856	-.3210				.1918	
103.400	-.4639									
105.900					-.1771					
106.100						.1123				
115.600	-.4530	-.4841	-.5675	-.3452					.1922	
117.600					-.0777					
119.000						.0505				
120.500						.1083				
124.400							.1557			
133.100					-.0454					
133.500					.0460					
133.800	-.5535	-.5100	-.5274	-.2445					.1966	
134.000						.1043				
142.500						.1034				
147.300						.0252				
148.100					-.0706					
149.100	-.5448	-.5305	-.4458	-.2136					.1947	
156.200						.0317				
157.900					-.0959					
159.500	-.6759									
180.000	-.7283	-.6817	-.3785	-.1930	-.0684	.0342	.1068	.1559	.1932	.2064

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LA81) WBERTC4+V.T.STRUT

(RJPC09)

RN/L ( 1) = 4.037 ALPHA ( 6) = 8.075 BETA = .00000 MACH = .19946 Q(PSF) = 167.04

SECTION ( 1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3028	-.2991	-.1723	-.0829	-.0015	.0694	.1391	.1885	.2071
24.000							.0695			
27.800	-.2287									
28.700			-.2588							
29.400				-.1683						
30.400								.1434		
31.300					-.0826					
33.800						-.0059				
41.000							.0644			
44.800				-.1899				.1413	.1914	
50.100	-.2771	-.3173	-.3435	-.1775	-.0940				.1896	
52.900						-.0163				
64.000							-.0019			
67.200	-.4840									
71.500								.1001		
72.200					-.2418					
75.900						-.0979				
82.800							.1069			
92.200							.1146			
93.000	-.5384									
93.500								.1332		
94.000				-.3192						
99.100						-.0023				
101.400	-.5561		-.5319	-.5070	-.3419				.1896	
103.400	-.5038									
105.900					-.1942					
106.100							.1114			
115.600	-.5156	-.5401	-.6148	-.3746					.1905	
117.600					-.0961					
119.000						.0440				
120.500							.1055			
124.400								.1574		
133.100					-.0650					
133.500						.0355				
133.800	-.5950	-.5511	-.5506	-.2707					.1936	
134.000							.0990			
142.500							.1023			
147.300						.0114				
148.100					-.0868					
149.100	-.5795	-.5538	-.4554	-.2291					.1596	
156.200						.0193				
157.900					-.1094					
159.500	-.7132									
180.000	-.7861	-.6947	-.3736	-.2053	-.0828	.0213	.1051	.1648	.1929	.2071

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TABULATED SOURCE DATA - LA81

PAGE 62

LARC LTPT 229(LA81) WJERTC4+V.T.STRUT

(RJPC09)

RN/L ( 1 ) = 4.033 ALPHA ( 7 ) = 10.109 BETA = .70000 MACH = .19946 Q(PSF) = 167.04

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3095	-.3116	-.1904	-.1001	-.0218	.0531	.1252	.1837	.2089
24.000							.0494			
27.800	-.2352									
28.700			-.2709							
29.400				-.1829						
30.400								.1338		
31.300					-.0998					
33.800						-.0246				
41.000							.0479			
44.800				-.2053				.1337	.1852	
50.100	-.2824	-.3212	-.3497	-.1962	-.1135				.1818	
52.900						-.0354				
64.000							-.0191			
67.200	-.5279									
71.500								.0858		
72.200					-.2482					
75.900						-.1074				
82.800							.0939			
92.200							.1013			
93.000	-.5876									
93.500								.1507		
94.000				-.3407						
99.100						-.0137				
101.400	-.6041		-.5746	-.5480	-.3727				.1850	
103.400	-.5572									
105.900					-.2132					
106.100							.0989			
115.600	-.5603	-.5785	-.6516	-.4117					.1856	
117.600					-.1140					
119.000						.0308				
120.500							.0906			
124.400								.1482		
133.100					-.0867					
133.500						.0195				
133.800	-.6249	-.5757	-.5679	-.2920					.1843	
134.000							.0886			
142.500							.0883			
147.300						.0028				
148.100					-.1040					
149.100	-.6072	-.5809	-.4791	-.2614					.1836	
156.200						-.0003				
157.900					-.1299					
159.500	-.7494									
180.000	-.8274	-.7435	-.3999	-.2263	-.1014	.0059	.0919	.1557	.1829	.2089

0.2

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) W3ERTC4+V.T.STRUT

(RJPC09)

RN/L ( 1 ) = 4.026 ALPHA ( 8 ) = 12.173 BETA = .00000 MACH = .19946 Q(PSF) = 167.04

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3368	-.3351	-.2185	-.1312	-.0471	.0298	.1063	.1763	.1976
24.000							.0274			
27.800	-.2638									
28.700			-.3109							
29.400				-.2154						
30.400								.1163		
31.300					-.1299					
33.800						-.0537				
41.000							.0361			
44.800				-.2324				.1181	.1712	
50.100	-.3070	-.3244	-.3524	-.2169	-.1341				.1728	
52.900						-.0573				
64.000							-.0405			
67.200	-.6122									
71.500								.0644		
72.200					-.2625					
75.900						-.1244				
82.800							.0749			
92.200							.0728			
93.000	-.7008									
93.500								.1262		
94.000				-.3768						
99.100						-.0220				
101.400	-.6602		-.6296	-.6045	-.4275				.1772	
103.400	-.6607									
105.900					-.2307					
106.100							.0714			
115.600	-.6135	-.6292	-.7076	-.4509					.1688	
117.600					-.1521					
119.000						-.0077				
120.500							.0641			
124.400								.1229		
133.100					-.1315					
133.500						-.0228				
133.800	-.6638	-.6186	-.5981	-.3294					.1676	
134.000							.0558			
142.500							.0532			
147.300						-.0481				
148.100					-.1536					
149.100	-.6482	-.6234	-.5270	-.3199					.1707	
156.200						-.0489				
157.900					-.1824					
159.500	-.7938									
180.000	-.6722	-.7721	-.4501	-.2685	-.1442	-.0341	.0594	.1346	.1741	.1976



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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) I BERTCH+V.T.STRUT

(RJPC10) ( 06 MAY 76 )

## REFERENCE DATA

## PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

ELEVON = .000 AILRON = .000  
 SPOBRK = .000 MACH = .200

RN/L ( 1 ) = 6.029 ALPHA ( 1 ) = -1.963 BETA = 00000 MACH = .20499 Q(PSF) = 258.59

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2713	-.2465	-.1116	-.0122	.0696	.1385	.1871	.2158	.2154
24.000							.1384			
27.800	-.1927									
28.700			-.2195							
29.400				-.1152						
30.400								.1877		
31.300					-.0217					
33.800						.0631				
41.000							.1364			
44.800				-.1479				.1870	.2152	
50.100	-.3484	-.3781	-.2983	-.1377	-.0343				.2160	
52.900						.0544				
64.000							.0527			
67.200	-.4191									
71.500								.1403		
72.200					-.1981					
75.900						-.0459				
82.800							.1454			
92.200							.1463			
93.000	-.4576									
93.500								.1905		
94.000				-.2703						
99.100						.0368				
101.400	-.4339		-.4284	-.4364	-.2942				.2020	
103.400	-.4299									
105.900					-.1193					
106.100							.1336			
115.600	-.4132	-.4412	-.5090	-.2775					.2113	
117.600					-.0718					
119.000						.0579				
120.500							.1110			
124.400								.1732		
133.100					-.0716					
133.500						.0556				
133.800	-.4967	-.4730	-.5434	-.2877					.2076	
134.000							.1081			
142.500							.1004			
147.300						-.0039				

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBERTC4+V.T.STRUT

(RJPC10)

RN/L ( 1) = 6.029 ALPHA ( 1) = -1.963

SECTION ( 1) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
148.100					-1.1189						
149.100	-.5021	-.5061	-.4696	-.3009					.2073		
156.200						-.0113					
157.900					-.1570						
159.500	-.6627										
180.000	-.7168	-.6310	-.3495	-.2238	-.1222	-.0068	.1001	.1714	.2070	.2154	

RN/L ( 1) = 6.010 ALPHA ( 2) = .141 BETA = .00000 MACH = .20499 Q(PSF) = 258.59

SECTION ( 1) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.2704	-.2535	-.1162	-.0196	.0609	.1298	.1798	.2105	.2125	
24.000							.1271				
27.800	-.1916										
28.700			-.2228								
29.400				-.1210							
30.400					-.0298			.1832			
31.300											
33.800						.0520					
41.000							.1278				
44.800				-.1511				.1820	.2107		
50.100	-.3155	-.3434	-.2990	-.1402	-.0446				.2093		
52.900						.0444					
64.000							.0412				
67.200	-.4280							.1328			
71.500					-.2110						
72.200						-.0581					
75.900											
82.800							.1390				
92.200							.1436				
93.000	-.4707										
93.500								.1869			
94.000				-.2818							
99.100						.0242					
101.400	-.4510		-.4443	-.4495	-.3093				.1993		
103.400	-.4433										
105.900					-.1394						
106.100							.1345				
115.600	-.4233	-.4505	-.5216	-.2916					.2002		
117.600					-.0715						
119.000						.0538					
120.500							.1165				

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 66

LARC LTPT 229(LA81) WBERTC4+V.T.STRUT

(RJPC10)

RN/L ( 1 ) = 6.010 ALPHA ( 2 ) = .141

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

124.400								.1649		
133.100					-.0605					
133.500						.0596				
133.800	-.5123	-.4851	-.5399	-.2753					.2010	
134.000							.1077			
142.500							.1020			
147.300						.0141				
148.100					-.1062					
149.100	-.5204	-.5200	-.4694	-.2795					.2032	
156.200						.0056				
157.900					-.1386					
159.500	-.6767									
180.000	-.7271	-.6577	-.3625	-.2189	-.1048	.0081	.0970	.1594	.2004	.2125

RN/L ( 1 ) = 6.012 ALPHA ( 3 ) = 2.215 BETA = .00000 MACH = .20499 Q(P5F) = 258.59

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.2734	-.2596	-.1269	-.0345	.0471	.1158	.1706	.2043	.2064
24.000							.1137			
27.800	-.1902									
28.700		-.2304								
29.400				-.1302						
30.400								.1745		
31.300					-.0408					
33.800						.0377				
41.000							.1121			
44.800				-.1570				.1762	.2021	
50.100	-.2907	-.3270	-.3040	-.1447	-.0552				.2060	
52.900						.0262				
64.000							.0305			
67.200	-.4341									
71.500								.1218		
72.200				-.2199						
75.900					-.0695					
82.800							.1271			
92.200							.1355			
93.000	-.4806									
93.500								.1809		
94.000				-.2899						
99.100						.0136				
101.400	-.4644		-.4556	-.4579	-.3186				.1936	

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBERTC4+V.T.STRUT

(RJPC10)

RN/L ( 1 ) = 6.012 ALPHA ( 3 ) = 2.215

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
103.400	-.4525										
105.900					-.1583						
106.100							.1262				
115.600	-.4346	-.4631	-.5386	-.3097					.1967		
117.600					-.0710						
119.000						.0495					
120.500							.1095				
124.400								.1588			
133.100					-.0532						
133.500						.0544					
133.800	-.5287	-.4950	-.5369	-.2646					.1984		
134.000							.1037				
142.500							.1017				
147.300						.0054					
148.100					-.0907						
149.100	-.5324	-.5225	-.4566	-.2490					.2044		
156.200						.0113					
157.900					-.1141						
159.500	-.6678										
160.000	-.7198	-.6518	-.3887	-.2152	-.0915	.0186	.1048	.1618	.1975	.2064	

RN/L ( 1 ) = 6.027 ALPHA ( 4 ) = 4.018 BETA = .00000 MACH = .20499 Q(PSF) = 258.59

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.2745	-.2626	-.1368	-.0462	.0337	.1047	.1639	.1991	.2094	
24.000							.1028				
27.800	-.1892										
28.700			-.2365								
29.400				-.1374							
30.400								.1684			
31.300					-.0495						
33.800						.0272					
41.000							.0987				
44.800				-.1631				.1688	.2007		
50.100	-.2688	-.3046	-.3077	-.1483	-.0664				.2002		
52.900						.0151					
64.000							.0212				
67.200	-.4411										
71.500								.1144			
72.200					-.2253						
75.900						-.0786					

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBERTC4+V.T.STRUT

(RJPC10)

RN/L ( 1 ) = 6.027 ALPHA ( 4 ) = 4.018

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
82.800							.1228				
92.200							.1306				
93.000	-.4871										
93.500								.1711			
94.000				-.2925							
99.100						.0088					
101.400	-.4729		-.4610	-.4631	-.3206				.1948		
103.400	-.4597										
105.900					-.1725						
106.100							.1168				
115.600	-.4436	-.4731	-.5524	-.3280					.1915		
117.600					-.0729						
119.000						.0513					
120.500							.1074				
124.400								.1439			
133.100					-.0429						
133.500						.0508					
133.800	-.5442	-.5046	-.5329	-.2549					.1963		
134.000							.1030				
142.500							.1037				
147.300						.0149					
148.100					-.0816						
149.100	-.5436	-.5288	-.4532	-.2281					.1926		
156.200						.0262					
157.900					-.0985						
159.500	-.6728										
180.000	-.7185	-.6786	-.3767	-.2038	-.0790	.0282	.1089	.1554	.1929	.2094	

RN/L ( 1 ) = 6.020 ALPHA ( 5 ) = 6.072 BETA = .00000 MACH = .20499 Q(PSF) = 258.59

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.2758	-.2690	-.1474	-.0577	.0210	.0911	.1573	.2012	.2127	
24.000							.0911				
27.800	-.1967										
28.700			-.2394								
29.400				-.1469							
30.400								.1599			
31.300					-.0611						
33.800						.0165					
41.000							.0857				
44.800				-.1693				.1639	.1976		

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WEERTC4+V.T.STRUT

(RJPC10)

RN/L ( 1 ) = 6.020 ALPHA ( 5 ) = 6.072

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
50.100	-.2586	-.3019	-.3186	-.1525	-.0746				.1983	
52.900						.0012				
64.000							.0112			
67.200	-.4498									
71.500								.1129		
72.200				-.2304						
75.900					-.0837					
82.800							.1151			
92.200							.1248			
93.000	-.4978									
93.500								.1709		
94.000				-.2996						
99.100						.0059				
101.400	-.4837	-	-.4713	-.4668	-.3263				.1917	
103.400	-.4710									
105.900					-.1886					
106.100							.1159			
115.600	-.4586	-.4896	-.5742	-.3506					.1929	
117.600					-.0794					
119.000						.0516				
120.500							.1122			
124.400								.1602		
133.100					-.0429					
133.500						.0517				
133.800	-.5607	-.5143	-.5333	-.2505					.2021	
134.000							.1074			
142.500							.1048			
147.300						.0168				
148.100					-.0763					
149.100	-.5529	-.5361	-.4427	-.2147					.1994	
156.200						.0274				
157.900					-.0948					
159.500	-.6757									
180.000	-.7318	-.6836	-.3862	-.1979	-.0631	.0358	.1090	.1632	.2029	.2127

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WERTC4+V.T.STRUT

(RJPC10)

RN/L ( 1 ) = 6.024 ALPHA ( 6 ) = 8.186 BETA = .00000 MACH = .20499 Q(PSF) = 258.59

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2925	-.2914	-.1646	-.0790	.0025	.0737	.1426	.1969	.2177
24.000							.0718			
27.800	-.2168									
28.700			-.2582							
29.400				-.1645						
30.400								.1529		
31.500					-.0781					
33.800						-.0028				
41.000							.0671			
44.800				-.1877				.1541	.1995	
50.100	-.2596	-.3030	-.3291	-.1716	-.0921				.1984	
52.900						-.0178				
64.000							-.0017			
67.200	-.4892									
71.500								.1020		
72.200					-.2361					
75.900						-.0870				
82.800							.1117			
92.200							.1176			
93.000	-.5570									
93.500								.1676		
94.000				-.3149						
99.100						-.0038				
101.400	-.5378		-.5145	-.4995	-.3449				.1968	
103.400	-.5239									
105.900					-.2018					
106.100							.1208			
115.600	-.5040	-.5257	-.6083	-.3764					.1944	
117.600					-.0987					
119.000						.0453				
120.500							.1103			
124.400								.1649		
133.100					-.0586					
133.500						.0421				
133.800	-.5980	-.5516	-.5547	-.2732					.1942	
134.000							.1030			
142.500							.1054			
147.300						.0219				
148.100					-.0853					
149.100	-.5883	-.5633	-.4604	-.2324					.1990	
156.200						.0211				
157.900					-.1091					
159.500	-.7139									
180.000	-.7939	-.6913	-.3938	-.2054	-.0641	.0271	.1095	.1699	.1988	.2177

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LA81) WJERTC4+V.T.STRUT

(RJPC11) ( 06 MAY 76 )

## REFERENCE DATA

## PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

ELEVON = .000 AILRON = .000  
 SPDBRK = .000 MACH = .200

RN/L ( 1 ) = 8.057 ALPHA ( 1 ) = -2.225 BETA = .00000 MACH = .19986 Q(PSF) = 321.04

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE: CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2759	-.2543	-.1126	-.0150	.0699	.1410	.1934	.2239	.2278
24.000							.1418			
27.800	-.1963									
28.700			-.2214							
29.400				-.1178						
30.400								.1918		
31.300					-.0230					
33.800						.0624				
41.000							.1400			
44.800				-.1526				.1926	.2243	
50.100	-.3601	-.3908	-.3044	-.1394	-.0365				.2209	
52.900						.0565				
64.000							.0547			
67.200	-.4304									
71.500								.1442		
72.200					-.2018					
75.900						-.0481				
82.800							.1489			
92.200							.1483			
93.000	-.4645									
93.500								.1969		
94.000				-.2750						
99.100						.0327				
101.400	-.4426		-.4342	-.4428	-.3042				.2091	
103.400	-.4379									
105.900					-.1217					
106.100							.1351			
115.600	-.4193	-.4499	-.5204	-.2834					.2137	
117.600					-.0729					
119.000						.0565				
120.500							.1164			
124.400								.1755		
133.100					-.0752					
133.500						.0556				
133.800	-.5073	-.4817	-.5537	-.2961					.2149	
134.000							.1121			
142.500							.1009			
147.300						-.0009				



DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 72

LARC LTPT 229(LAB1) I-BERTC4+V.T.STRUT

(RJPC11)

RN/L ( 1 ) = 8.057 ALPHA ( 1 ) = -2.225

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

148.100

149.100

156.200

157.900

159.500

180.000

-.1265

-.3078

-.1636

-.1298

-.0087

.1006

.1799

.2141

.2278

.2147

.0160

RN/L ( 1 ) = 8.052 ALPHA ( 2 ) = .060 BETA = .00000 MACH = .19986 Q(PSF) = 321.04

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000

24.000

27.800

28.700

29.400

30.400

31.300

33.800

41.000

44.800

50.100

52.900

64.000

67.200

71.500

72.200

75.900

82.800

92.200

93.000

93.500

94.000

99.100

101.400

103.400

105.900

106.100

115.600

117.600

119.000

120.500

-.2724

-.2614

-.1941

-.2227

-.1229

-.1229

-.0299

.0531

.1296

.1886

.1881

.2203

.2176

.0438

.0431

.1373

.2120

-.0579

.1449

.1496

.1933

.2854

.0225

.4579

.4511

.4487

.4532

.3133

.1438

.1394

.2085

.0738

.0567

.1201

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBERTC4+V.T.STRUT

(RJPC11)

RN/L ( 1 ) = 8.052 ALPHA ( 2 ) = .060

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

124.400							.1741		
133.100					-.0613				
133.500						.0612			
133.800	-.5223	-.4923	-.5497	-.2839				.2113	
134.000							.1082		
142.500							.1103		
147.300						.0072			
148.100					-.1039				
149.100	-.5269	-.5265	-.4757	-.2824				.2062	
156.200						.0061			
157.900					-.1371				
159.500	-.6848								
180.000	-.7258	-.6542	-.3604	-.2212	-.1052	.0091	.1000	.1726	.2098 .2228

RN/L ( 1 ) = 8.040 ALPHA ( 3 ) = 2.054 BETA = .00000 MACH = .19986 Q(PSF) = 321.04

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.2748	-.2655	-.1278	-.0345	.0484	.1194	.1761	.2082 .2128
24.000							.1138		
27.800	-.1952								
28.700		-.2295							
29.400			-.1319						
30.400								.1823	
31.300				-.0410					
33.800					.0389				
41.000						.1117			
44.800				-.1601				.1818	.2041
50.100	-.3002	-.3315	-.3070	-.1451	-.0564			.2068	
52.900						.0264			
64.000							.0329		
67.200	-.4434								
71.500								.1268	
72.200				-.2215					
75.900					.0699				
82.800							.1322		
92.200							.1435		
93.000	-.4875								
93.500								.1851	
94.000				-.2937					
99.100						.0119			
101.400	-.4704		-.4597	-.4619	-.3217			.1903	

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBERTC4+V.T.STRUT

(RJPC11)

RN/L ( 1 ) = 8.040 ALPHA ( 3 ) = 2.054

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

103.400	-.4610								
105.900				-.1619					
106.100						.1285			
115.600	-.4397	-.4699	-.5453	-.3163				.2002	
117.600				-.0707					
119.000					.0530				
120.500						.1128			
124.400							.1635		
133.100				-.0668					
133.500					.0625				
133.800	-.5381	-.5014	-.5458	-.2708				.2027	
134.000						.0970			
142.500						.1067			
147.300					.0107				
148.100				-.0915					
149.100	-.5400	-.5318	-.4653	-.2570				.2050	
156.200					.0120				
157.900				-.1141					
159.500	-.6811								
180.000	-.7259	-.6715	-.3880	-.2122	-.0882	.0186	.1011	.1637	.2035 .2128

RN/L ( 1 ) = 8.023 ALPHA ( 4 ) = 3.967 BETA = .00000 MACH = .19986 Q(PSF) = 321.04

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.2760	-.2682	-.1381	-.0466	.0346	.1059	.1687	.2027 .2119
24.000							.1036		
27.800	-.1938								
28.700		-.2376							
29.400			-.1399						
30.400								.1732	
31.300				-.0515					
33.800					.0277				
41.000						.0989			
44.800				-.1659				.1720	.1990
50.100	-.2689	-.3050	-.3124	-.1491	-.0660			.2029	
52.900						.0136			
64.000							.0240		
67.200	-.4488								
71.500								.1190	
72.200				-.2278					
75.900					-.0780				

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBERTC4+V.T.STRUT

(RJPC11)

RN/L ( 1 ) = 8.023 ALPHA ( 4 ) = 3.967

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
82.800							.1265				
92.200							.1361				
93.000	-.4929										
93.500								.1808			
94.000				-.2993							
99.100						.0086					
101.400	-.4786		-.4663	-.4634	-.3253				.1924		
103.400	-.4686										
105.900					-.1806						
106.100							.1244				
115.600	-.4494	-.4811	-.5623	-.3346					.1906		
117.600					-.0723						
119.000						.0570					
120.500							.1203				
124.400								.1572			
133.100					-.0431						
133.500						.0636					
133.800	-.5537	-.5114	-.5426	-.2594					.1986		
134.000							.1045				
142.500							.1053				
147.300						.0183					
148.100					-.0731						
149.100	-.5519	-.5423	-.5469	-.2339					.1975		
156.200						.0294					
157.900					-.0976						
159.500	-.6906										
180.000	-.7386	-.7044	-.3748	-.1980	-.0669	.0305	.1139	.1661	.2029	.2119	

RN/L ( 1 ) = 8.066 ALPHA ( 5 ) = 6.172 BETA = .00000 MACH = .19986 Q(PSF) = 321.04

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.2832	-.2767	-.1526	-.0628	.0195	.0906	.1606	.2035	.2193	
24.000							.0872				
27.800	-.2021										
28.700		-.2419									
29.400			-.1512								
30.400								.1647			
31.300					-.0652						
33.800						.0114					
41.000							.0819				
44.800				-.1752				.1631	.2009		

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBERTC4+V.T.STRUT

(RJPC11)

RN/L (1) = 8.066 ALPHA (5) = 6.172

SECTION (1) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
50.100	-.2653	-.3031	-.3267	-.1578	-.0775				.2104	
52.900						-.0021				
64.000							.0108			
67.200	-.4643									
71.500								.1139		
72.200					-.2355					
75.900						-.0833				
82.800							.1170			
92.200							.1305			
93.000	-.5091									
93.500								.1788		
94.000				-.3086						
99.100						-.0006				
101.400	-.4948		-.4805	-.4768	-.3342				.1972	
103.400	-.4864									
105.900					-.1948					
106.100							.1251			
115.600	-.4722	-.5059	-.5901	-.3666					.2036	
117.600					-.0866					
119.000						.0518				
120.500							.1114			
124.400								.1642		
133.100					-.0459					
133.500						.0550				
133.800	-.5758	-.5273	-.5445	-.2579					.2029	
134.000							.1126			
142.500							.1112			
147.300						.0178				
148.100					-.0776					
149.100	-.5637	-.5459	-.4497	-.2190					.2055	
156.200						.0216				
157.900					-.0952					
159.500	-.6895									
180.000	-.7509	-.6605	-.3834	-.1930	-.0678	.0366	.1191	.1681	.2083	.2193

DATE 05 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBERTC4+V.T.STRUT

(RJPC11)

RN/L ( 1 ) = 8.025 ALPHA ( 6 ) = 8.257 BETA = .00000 MACH = .19986 Q(PSF) = 321.04

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2963	-.2929	-.1705	-.0823	-.0003	.0731	.1447	.2000	.2211
24.000							.0693			
27.800	-.2244									
28.700			-.2600							
29.400				-.1698						
30.400								.1540		
31.300					-.0843					
33.800						-.0051				
41.000							.0635			
44.800				-.1959				.1542	.2032	
50.100	-.2750	-.3051	-.3426	-.1758	-.0956				.2019	
52.900						-.0241				
64.000							-.0044			
67.200	-.5075									
71.500								.1019		
72.200					-.2418					
75.900						-.0938				
82.800							.1120			
92.200							.1205			
93.000	-.5608									
93.500								.1705		
94.000				-.3237						
99.100						-.0006				
101.400	-.5525		-.5231	-.5049	-.3578				.2027	
103.400	-.5264									
105.900					-.2184					
106.100							.1208			
115.600	-.5185	-.5439	-.6275	-.3936					.1997	
117.600					-.1060					
119.000						.0426				
120.500							.1142			
124.400								.1673		
133.100					-.0646					
133.500						.0417				
133.800	-.6150	-.5611	-.5639	-.2807					.2015	
134.000							.1089			
142.500							.1128			
147.300						.0226				
148.100					-.0784					
149.100	-.5974	-.5742	-.4658	-.2366					.2009	
156.200						.0293				
157.900					-.1115					
159.500	-.7370									
180.000	-.8127	-.7183	-.3712	-.2062	-.0776	.0224	.1090	.1755	.2053	.2211

TABULATED SOURCE DATA - LAB1

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(RJPC12) ( 06 MAY 76 )

## PARAMETRIC DATA

ELEVON	=	.000	AILRON	=	.000
SPDBRK	=	.000	MACH	=	.200

$$Q(\text{PSF}) = 409.54$$

DEPENDENT VARIABLE CP

PHI									
.000	-.2755	-.2487	-.1143	-.0145	.0710	.1429	.1947	.2242	.2278

24.000	.1420	.1425	.1437	.1445	.1450	.1455	.1460	.1465	.1470	.1475
--------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

27.800	-.1926	11.129,
--------	--------	---------

28.700                      - .2236

29.400	- .1197	
--------	---------	--

30.400		.1952
31.300	0000	

31.300	- .0229	
33.800		284.5

33.800	.0646	
41.000		18.04

47.800			.1404		
44.800	-	1536		1941	2262

44.800				-1.1536		.1941	.2262
50.100	-.3502	-.3579	-.3124	-.1382	-.0367		.2225

50.100	-1.330E	-1.3379	-1.31E4	-1.138E	-1.0387		.2223
52.900						.0565	

62.000	.0500
64.000	.0552

67.200    -.4304

71.500		.1454
--------	--	-------

72.200

75.900					- .0466	
83.880						

82.800	.1507
82.300	.1512

92.200		.1510
93.000	- 4685	

93.000	- .4685	
93.500		1980

93.500		.1990
94.000	- .2780	

99.100 .0318

101.400	-.4450	-.4380	-.4458	-.3087	.0518	.2088
---------	--------	--------	--------	--------	-------	-------

[illegible]

105.900	- .1253
---------	---------

106.100				.1391	
117.800	1.277	1.717	751.5	888.1	2.107

115.600	- .4237	- .4545	- .5245	- .2871		.2182
117.600						

117.600		- .0758 "	
119.000			2573

119.000			.0579		
120.500				1187	

120.500		.1187	
124.400			1788

124.400  
133.100

133.500      .0582

133.800	-.5105	-.4820	-.5573	-.3014	.0582	.2119
---------	--------	--------	--------	--------	-------	-------

[illegible]

142.500	1110:
147.000	1020

147.300	- .0022
---------	---------

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WEERTC4+V.T.STRUT

(RJPC12)

RN/L ( 1 ) = 10.051 ALPHA ( 1 ) = -2.114

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
148.100					-.1273						
149.100	-.5127	-.5188	-.4786	-.3117					.2135		
156.200						-.0156					
157.900					-.1599						
159.500	-.6795										
180.000	-.7247	-.6393	-.3617	-.2322	-.1268	-.0064	.0968	.1803	.2139	.2278	

RN/L ( 1 ) = 10.030 ALPHA ( 2 ) = -.060 BETA = .00000 MACH = .20014 Q(PSF) = 409.54

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.2758	-.2586	-.1193	-.0209	.0625	.1348	.1881	.2201	.2266	
24.000							.1323				
27.800	-.1909										
28.700			-.2219								
29.400				-.1240							
30.400								.1890			
31.300					-.0290						
33.800						.0548					
41.000							1322				
44.800				-.1572				.1891	.2197		
50.100	-.3175	-.3367	-.3143	-.1410	-.0455				.2189		
52.900						.0450					
64.000							.0464				
67.200	-.4357										
71.500								.1389			
72.200					-.2141						
75.900						-.0579					
82.800							.1457				
92.200							1508				
93.000	-.4806										
93.500								.1990			
94.000				-.2863							
99.100						.0240					
101.400	-.4599		-.4494	-.4552	-.3183				.2067		
103.400	-.4551										
105.900					-.1462						
106.100							1419				
115.600	-.4303	-.4626	-.5361	-.3001					.2092		
117.600					-.0744						
119.000						.0561					
120.500							1254				



DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WPERTC4+V.T.STRUT

(RJPC12)

RN/L ( 1 ) = 10.030 ALPHA ( 2 ) = -.060

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
124.400								.1740			
133.100					-.0644						
133.500						.0649					
133.800	-.5268	-.4937	-.5560	-.2882					.2112		
134.000							1112				
142.500							1112				
147.300						.0059					
148.100					-.1140						
149.100	-.5327	-.5292	-.4768	-.2867					.2131		
156.200						.0008					
157.900					-.1720						
159.500	-.6909										
180.000	-.7346	-.6542	-.3521	-.2212	-.1100	.0047	1081	.1742	.2128	.2266	

RN/L ( 1 ) = 10.019 ALPHA ( 3 ) = 2.064 BETA = .10000 MACH = .20014 Q(PSF) = 409.54

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.2779	-.2645	-.1330	-.0370	.0471	1194	.1772	.2146	.2192	
24.000							1166				
27.800	-.1884										
28.700		-.2248									
29.400			-.1335								
30.400								.1793			
31.300					-.0422						
33.800						.0408					
41.000							1121				
44.800				-.1645				.1815	.2148		
50.100	-.2922	-.3224	-.3200	-.1467	-.0557				.2118		
52.900						.0246					
64.000							.0333				
67.200	-.4419										
71.500								.1274			
72.200					-.2253						
75.900						-.0705					
82.800							.1341				
92.200							.1440				
93.000	-.4905										
93.500								.1855			
94.000				-.2957							
99.100						.0112					
101.400	-.4749		-.4614	-.4622	-.3257				.1924		

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LA81) LBERTC4+V.T.STRUT

(RJPC12)

RN/L ( 1 ) = 10.019 ALPHA ( 3 ) = 2.064

SECTION ( 1 ) TAIL CONE DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

103.400	-.4648								
105.900				-.1665					
106.100						.1324			
115.600	-.4406	-.4748	-.5509	-.3213				.2016	
117.600				-.0755					
119.000					.0527				
120.500						.1138			
124.400							.1653		
133.100				-.0520					
133.500					.0659				
133.800	-.5442	-.5055	-.5503	-.2734				.1946	
134.000						.1075			
142.500						.1137			
147.300					.0164				
148.100				-.0938					
149.100	-.5448	-.5366	-.4691	-.2583				.2095	
156.200					.0141				
157.900				-.1141					
159.500	-.6912								
180.000	-.7299	-.6899	-.3816	-.2122	-.0915	.0184	.1013	.1587	.2026
									.2192

RN/L ( 1 ) = 10.001 ALPHA ( 4 ) = 3.957 BETA = .00000 MACH = .20014 Q(PSF) = 409.54

SECTION ( 1 ) TAIL CONE DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.2786	-.2689	-.1414	-.0493	.0338	.1092	.1680	.1992	.2206
24.000							.1040			
27.800	-.1898									
28.700		-.2312								
29.400			-.1408							
30.400								.1723		
31.300				-.0501						
33.800					.0304					
41.000						.0974				
44.800				-.1686				.1731	.2060	
50.100	-.2767	-.3059	-.3235	-.1476	-.0668				.2048	
52.900					.0136					
64.000						.0223				
67.200	-.4475									
71.500								.1202		
72.200				-.2297						
75.900					-.0785					

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) I BERTC4+V.T.STRUT

(RJPC12)

RN/L ( 1 ) = 10.001 ALPHA ( 4 ) = 3.957

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
82.800							.1271			
92.200							.1373			
93.000	-.4975									
93.500								.1825		
94.000				-.2990						
99.100						.0084				
101.400	-.4837		-.4691	-.4665	-.3284				.1901	
103.400	-.4700									
105.900					-.1839					
106.100							.1176			
115.600	-.4533	-.4859	-.5691	-.3386					.1917	
117.600					-.0758					
119.000						.0578				
120.500							.1231			
124.400								.1582		
133.100					-.0459					
133.500						.0585				
133.800	-.5571	-.5149	-.5469	-.2612					.1968	
134.000							.0985			
142.500							.1014			
147.300						.0240				
148.100					-.0723					
149.100	-.5550	-.5412	-.4618	-.2327					.2040	
156.200						.0296				
157.900					-.0965					
159.500	-.6910									
180.000	-.7334	-.6882	-.3772	-.2005	-.0749	.0331	.1116	.1591	.2003	.2206

RN/L ( 1 ) = 10.009 ALPHA ( 5 ) = 6.280 BETA = .00000 MACH = .20014 Q(PSF) = 409.54

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
.000		-.2881	-.2823	-.1558	-.0682	.0169	.0913	.1596	.2085	.2209
24.000							.0863			
27.800	-.2027									
28.700			-.2487							
29.400				-.1559						
30.400								.1640		
31.300					-.0659					
33.800						.0101				
41.000							.0803			
44.800				-.1827				.1681	.2035	

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBERTCH+V.T.STRUT

(RJPC12)

RN/L ( 1 ) = 10.009 ALPHA ( 5 ) = 6.280

SECTION ( 1 )	TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
50.100	-.2765	-.3044	-.3384	-.1600	-.0827				.2067		
52.900						-.0052					
64.000							.0630				
67.200	-.4677										
71.500								.1125			
72.200					-.2373						
75.900						-.0874					
82.800							.1139				
92.200							.1237				
93.000	-.5192										
93.500								.1800			
94.000				-.3116							
99.100						-.0026					
101.400	-.5069		-.4908	-.4827	-.3400				.2129		
103.400	-.4912										
105.900					-.2036						
106.100							.1212				
115.600	-.4791	-.5178	-.6009	-.3741					.2064		
117.600					-.0867						
119.000						.0484					
120.500							.1144				
124.400								.1765			
133.100					-.0462						
133.500						.0481					
133.800	-.5837	-.5355	-.5520	-.2644					.2087		
134.000							.1215				
142.500							.1109				
147.300						.0198					
148.100					-.0754						
149.100	-.5723	-.5555	-.4500	-.2206					.2110		
156.200						.0284					
157.900					-.0966						
159.500	-.7045										
180.000	-.7731	-.6749	-.3748	-.1926	-.0721	.0352	.1227	.1756	.2109	.2209	

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBERTC4+V.T.STRUT

(RJPC13) ( 06 MAY 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = .000 AILRON = .000  
 SPOBRK = .000 MACH = .300

RN/L ( 1 ) = 8.067 ALPHA ( 1 ) = -1.963 BETA = .00000 MACH = .29936 Q(PSF) = 494.70

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE ( P

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2000	1.2490	1.2800	1.2870
PHI										
.000		-.2781	-.2531	-.1172	-.0152	.0712	.1406	.1922	.2235	.2251
24.000							.1398			
27.800	-.1994									
28.700			-.2311							
29.400				-.1185						
30.400								.1918		
31.300					-.0205					
33.800						.0676				
41.000							.1401			
44.800				-.1548				.1911	.2224	
50.100	-.3631	-.3401	-.3159	-.1390	-.0372				.2207	
52.900						.0567				
64.000							.0541			
67.200	-.4338									
71.500								.1442		
72.200					-.2112					
75.900						-.0493				
82.800							.1486			
92.200							.1479			
93.000	-.4755									
93.500								.1962		
94.000				-.2818						
99.100						.0324				
101.400	-.4548		-.4463	-.4532	-.3100				.2071	
103.400	-.4485									
105.900					-.1249					
106.100							.1375			
115.600	-.4325	-.4626	-.5336	-.2901					.2122	
117.600					-.0760					
119.000						.0574				
120.500							.1469			
124.400								.1757		
133.100					-.0761					
133.500						.0568				
133.800	-.5213	-.4948	-.5688	-.3007					.2139	
134.000							.1492			
142.500							.1422			
147.300						-.0026				

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBENTCH+V.T.STRUT

(RJPC13)

RN/L ( 1 ) = 8.067 ALPHA ( 1 ) = -1.963

SECTION ( 1 ) TAIL CONE				DEPENDENT VARIABLE CP						
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
148.100										
149.100	-.5285	-.5321	-.4890	-.3106					.2124	
156.200						-.0144				
157.900					-.1612					
159.500	-.6937									
180.000	-.7395	-.6645	-.3692	-.2334	-.1260	-.0093	.1104	.1764	.2129	.2251

RN/L ( 1 ) = 8.043 ALPHA ( 2 ) = .131 BETA = .00200 MACH = .29936 Q(PSF) = 494.70

SECTION ( 1 ) TAIL CONE				DEPENDENT VARIABLE CP						
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2797	-.2606	-.1240	-.0246	.0605	.1325	.1850	.2124	.2232
24.000							.1306			
27.800	-.1975									
28.700			-.2346							
29.400				-.1258						
30.400								.1855		
31.300					-.0307					
33.800						.0556				
41.000							.1288			
44.800				-.1600				.1846	.2124	
50.100	-.3544	-.3329	-.3205	-.1460	-.0479				.2128	
52.900						.0413				
64.000							.0430			
67.200	-.4430									
71.500								.1360		
72.200					-.2212					
75.900						-.0613				
82.800							.1416			
92.200							.1446			
93.000	-.4858									
93.500								.1902		
94.000				-.2919						
99.100						.0208				
101.400	-.4705		-.4603	-.4659	-.3211				.2022	
103.400	-.4611									
105.900					-.1444					
106.100							.1343			
115.600	-.4434	-.4745	-.5480	-.3069					.2034	
117.600					-.0764					
119.000						.0511				
120.500							.1169			

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBERTC4+V.T.STRUT

(RJPC13)

RN/L ( 1 ) = 8.043 ALPHA ( 2 ) = .131

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
124.400								.1687			
133.100					-.0655						
133.500						.0578					
133.800	-.5401	-.5092	-.5676	-.2897					.2035		
134.000							.1104				
142.500							.1023				
147.300						.0042					
148.100					-.1128						
149.100	-.5475	-.5471	-.4893	-.2873					.2058		
156.200						.0045					
157.900					-.1424						
159.500	-.7032										
180.000	-.7429	-.6904	-.3930	-.2233	-.1092	.0072	.0979	.1699	.2062	.2232	

RN/L ( 1 ) = 8.054 ALPHA ( 3 ) = 2.235 BETA = .00000 MACH = .29936 Q(PSF) = 494.70

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.2804	-.2677	-.1356	-.0398	.0421	.1145	.1709	.2001	.2084	
24.000							.1135				
27.800	-.1988										
28.700			-.2424								
29.400				-.1383							
30.400								.1710			
31.300					-.0451						
33.800						.0379					
41.000							.1028				
44.800				-.1683				.1723	.2000		
50.100	-.2930	-.3149	-.3253	-.1507	-.0612				.2010		
52.900						.0189					
64.000							.0304				
67.200	-.4522										
71.500								.1229			
72.200					-.2200						
75.900						-.0813					
82.800							.1280				
92.200							.1377				
93.000	-.5012										
93.500								.1751			
94.000				-.2983							
99.100						.0185					
101.400	-.4912		-.4713	-.4699	-.3241				.1880		

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LA81) WBERTC4+V.T.STRUT

(RJPC13)

RN/L ( 1 ) = 8.054 ALPHA ( 3 ) = 2.235

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
103.400	-.4713									
105.900					-.1609					
106.100							.1191			
115.600	-.4514	-.4812	-.5575	-.3228					.1918	
117.600					-.0743					
119.000						.0519				
120.500							.1107			
124.400								.1530		
133.100					-.0529					
133.500						.0576				
133.800	-.5547	-.5176	-.5598	-.2713					.1952	
134.000							.1022			
142.500							.0927			
147.300						.0084				
148.100					-.1032					
149.100	-.5582	-.5499	-.4787	-.2543					.1992	
156.200						.0142				
157.900					-.1174					
159.500	-.6983									
180.000	-.7345	-.7002	-.4012	-.2184	-.0876	.0194	.1016	.1601	.1990	.2084

RN/L ( 1 ) = 8.034 ALPHA ( 4 ) = 4.015 BETA = .03000 MACH = .29936 Q(PSF) = 494.70

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2828	-.2694	-.1482	-.0544	.0268	.0979	.1584	.1931	.2034
24.000							.0958			
27.800	-.1972									
28.700			-.2527							
29.400				-.1479						
30.400								.1624		
31.300					-.0574					
33.800						.0220				
41.000							.0841			
44.800				-.1740				.1608	.1901	
50.100	-.2789	-.2951	-.3268	-.1569	-.0736				.1919	
52.900						.0044				
64.000							.0199			
67.200	-.4566									
71.500								.1109		
72.200					-.2240					
75.900						-.0899				



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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBERTC4+V.T.STRUT

(RJPC13)

RN/L ( 1 ) = 8.034 ALPHA ( 4 ) = 4.015

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
82.800							.1176			
92.200							.1265			
93.000	-.5082									
93.500								.1680		
94.000				-.3056						
99.100						.0065				
101.400	-.4929		-.4804	-.4778	-.3296				.1834	
103.400	-.4799									
105.900					-.1828					
106.100							.1125			
115.600	-.4640	-.4948	-.5782	-.3430					.1845	
117.600					-.0755					
119.000						.0552				
120.500							.1046			
124.400								.1401		
133.100					-.0452					
133.500						.0534				
133.800	-.5686	-.5259	-.5527	-.2594					.1894	
134.000							.0938			
142.500							.0981			
147.300						.0091				
148.100					-.0927					
149.100	-.5658	-.5518	-.4647	-.2298					.1952	
156.200						.0232				
157.900					-.1056					
159.500	-.6896									
180.000	-.7411	-.6856	-.4080	-.2095	-.0710	.0276	.1045	.1574	.1985	.2034

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WERTC4+V.T.STRUT

(RJPC14) ( 06 MAY 76 )

## REFERENCE DATA

## PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. X0  
 LREF = 474.8000 INCHES YMRP = .0000 IN. Y0  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0  
 SCALE = .0361

ELEVON = .000 AILRON = .000  
 SPDBRK = .000 MACH = .300

RN/L ( 1 ) = 6.013 ALPHA ( 1 ) = -2.004 BETA = .00000 MACH = .30133 Q(PSF) = 375.16

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2780	-.2557	-.1187	-.0169	.0660	.1362	.1861	.2168	.2229
24.000							.1343			
27.800	-.2026									
28.700			-.2269							
29.400				-.1199						
30.400								.1860		
31.300					-.0231					
33.800						.0629				
41.000							.1323			
44.800				-.1539				.1865	.2159	
50.100	-.3357	-.3321	-.3107	-.1407	-.0398				.2151	
52.900						.0497				
64.000							.0500			
67.200	-.4315									
71.500								.1368		
72.200					-.2144					
75.900						-.0581				
82.800							.1444			
92.200							.1435			
93.000	-.4709									
93.500								.1892		
94.000				-.2791						
99.100						.0330				
101.400	-.4478		-.4453	-.4510	-.3021				.2014	
103.400	-.4426									
105.900					-.1222					
106.100							.1333			
115.600	-.4265	-.4542	-.5243	-.2834					.2088	
117.600					-.0733					
119.000						.0591				
120.500							.1153			
124.400								.1759		
133.100					-.0737					
133.500						.0553				
133.800	-.5117	-.4892	-.5584	-.2932					.2089	
134.000							.1082			
142.500							.1034			
147.300						-.0021				

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBER: C4+V.T.STRUT

(RJPC14)

RN/L ( 1 ) = 6.013 ALPHA ( 1 ) = -2.004

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
148.100											
149.100	-.5229	-.5237	-.4841	-.3028					.2102		
156.200						-.0113					
157.900						-.1582					
159.500	-.6827										
180.000	-.7309	-.6627	-.3654	-.2298	-.1228	-.0066	.0971	.1728	.2087	.2229	

RN/L ( 1 ) = 6.002 ALPHA ( 2 ) = -.030 BETA = .00000 MACH = .30133 Q(PSF) = 375.16

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.2778	-.2624	-.1235	-.0244	.0582	.1278	.1796	.2067	.2145	
24.000							.1248				
27.800	-.2006										
28.700			-.2306								
29.400				-.1246							
30.400								.1796			
31.300					-.0314						
33.800						.0530					
41.000							.1219				
44.800				-.1585				.1792	.2090		
50.100	-.3398	-.3210	-.3121	-.1460	-.0481				.2074		
52.900						.0382					
64.000							.0417				
67.200	-.4361										
71.500								.1288			
72.200					-.2223						
75.900						-.0676					
82.800							.1369				
92.200							.1410				
93.000	-.4811										
93.500								.1845			
94.000			-.2883								
99.100						.0240					
101.400	-.4631		-.4562	-.4615	-.3130				.1958		
103.400	-.4542										
105.900						-.1392					
106.100							.1336				
115.600	-.4367	-.4637	-.5359	-.2996					.1976		
117.600					-.0735						
119.000						.0536					
120.500							.1118				

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBERTC4+V.T.STRUT

(RJPC14)

RN/L ( 1 ) = 6.002 ALPHA ( 2 ) = -.030

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2970

PHI

124.400								.1627	
133.100					-.0631				
133.500						.0571			
133.800	-.5303	-.5025	-.5608	-.2921				.2020	
134.000							.1050		
142.500							.1071		
147.300						.0059			
148.100					-.1076				
149.100	-.5378	-.5373	-.4837	-.2827				.2011	
156.200						.0051			
157.900					-.1426				
159.500	-.6925								
180.000	-.7346	-.6798	-.3803	-.2250	-.1049	.0067	.0998	.1652	.2015 .2145

RN/L ( 1 ) = 5.985 ALPHA ( 3 ) = 1.974 BETA = .00000 MACH = .30133 Q(PSF) = 375.16

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2970

PHI

.000		-.2805	-.2655	-.1346	-.0384	.0427	.1120	.1670	.1946 .2081
24.000							.1036		
27.800	-.1990								
28.700		-.2394							
29.400			-.1357						
30.400								.1690	
31.300				-.0440					
33.800					.0378				
41.000						.1039			
44.800			-.1647					.1706 .1980	
50.100	-.3106	-.3150	-.3196	-.1509	-.0597			.1977	
52.900						.0204			
64.000							.0320		
67.200	-.4440								
71.500								.1180	
72.200				-.2312					
75.900					-.0794				
82.800						.1239			
92.200						.1319			
93.000	-.4957								
93.500								.1705	
94.000			-.2951						
99.100					.0162				
101.400	-.4760	-.4692	-.4682	-.3170				.1829	

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEFTC4+V.T.STRUT

(RJPC14)

RN/L ( 1 ) = 5.985 ALPHA ( 3 ) = 1.974

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP								
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
103.400	-.4660									
105.900					-.1540					
106.100							.1245			
115.600	-.4460	-.4719	-.5484	-.3127					.1809	
117.600					-.0730					
119.000						.0517				
120.500							.1072			
124.400								.1505		
133.100					-.0539					
133.500						.0547				
133.800	-.5466	-.5130	-.5555	-.2690					.1889	
134.000							.0977			
142.500							.0865			
147.300						.0050				
148.100					-.1004					
149.100	-.5515	-.5440	-.4758	-.2545					.1924	
156.200						.0092				
157.900					-.1190					
159.500	-.6904									
180.000	-.7260	-.6907	-.4001	-.2227	-.0942	.0107	.0561	.1576	.1934	.2081

RN/L ( 1 ) = 5.950 ALPHA ( 4 ) = 4.199 BETA = .00000 MACH = .30133 Q(PSF) = 375.16

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP								
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2812	-.2669	-.1480	-.0549	.0261	.0574	.1545	.1887	.2005
24.000							.0950			
27.800	-.1968									
28.700			-.2490							
29.400				-.1470						
30.400								.1607		
31.300					-.0581					
33.800						.0214				
41.000							.0855			
44.800				-.1726				.1602	.1856	
50.100	-.2745	-.2933	-.3245	-.1565	-.0727				.1896	
52.900						.0039				
64.000							.0 78			
67.200	-.4517									
71.500								.1092		
72.200					-.2324					
75.900						-.0903				

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEHTC4+V.T.STRUT

(RJPC14)

RN/L ( 1 ) = 5.950 ALPHA ( 4 ) = 4.199

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE (P)									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
82.800							.1149				
92.200							.1177				
93.000	-.5044										
93.500								.1597			
94.000				-.3044							
99.100						.0073					
101.400	-.4895		-.4784	-.4769	-.3256				.1800		
103.400	-.4753										
105.900					-.1770						
106.100							.1091				
115.600	-.4579	-.4886	-.5724	-.3391					.1815		
117.600					-.0740						
119.000						.0507					
120.500							.0964				
124.400								.1386			
133.100					-.0446						
133.500						.0455					
133.800	-.5627	-.5196	-.5454	-.2542					.1854		
134.000							.0927				
142.500							.0399				
147.300						.0060					
148.100					-.1009						
149.100	-.5585	-.5445	-.4592	-.2231					.1885		
156.200						.0209					
157.900					-.1052						
159.500	-.6743										
180.000	-.7254	-.6982	-.4121	-.2139	-.0793	.0213	.0960	.1464	.1912	.2005	

RN/L ( 1 ) = 5.929 ALPHA ( 5 ) = 6.011 BETA = .00300 MACH = .30133 Q(PSF) = 375.16

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE (P)									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.2908	-.2784	-.1620	-.0701	.0102	.0933	.1467	.1886	.2068	
24.000							.0799				
27.800	-.2067										
28.700			-.2575								
29.400				-.1594							
30.400								.1531			
31.300					-.0703						
33.800						.0086					
41.000							.0719				
44.800				-.1833				.1520	.1871		

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBERTCH+V.T.STRUT

(RJPC14)

RN/L ( 1 ) = 5.929 ALPHA ( 5 ) = 6.011

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
50.100	-.2763	-.2939	-.3278	-.1661	-.0847				.1899	
52.900						-.0099				
64.000							.0073			
67.200	-.4718									
71.500								.1013		
72.200					-.2338					
75.900						-.0995				
82.800							.1071			
92.200							.1148			
93.000	-.5221									
93.500								.1624		
94.000				-.3130						
99.100						-.0005				
101.400	-.5056		-.4936	-.4874	-.3354				.1901	
103.400	-.4916									
105.900					-.1951					
106.100							.1018			
115.600	-.4788	-.5085	-.5965	-.3647					.1889	
117.600					-.0850					
119.000						.0448				
120.500							.1043			
124.400								.1502		
133.100					-.0488					
133.500						.0409				
133.800	-.5809	-.5361	-.5508	-.2557					.1953	
134.000							.0942			
142.500							.0921			
147.300						.0104				
148.100					-.0908					
149.100	-.5730	-.5526	-.4554	-.2206					.1954	
156.200						.0192				
157.900					-.1032					
159.500	-.6912									
180.000	-.7427	-.6714	-.4098	-.2062	-.0767	.0324	.1032	.1582	.1931	.2068

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WB(RTC4+V.T.STRUT

(RJPC14)

RN/L ( 1 ) = 5.921 ALPHA ( 6 ) = 8.143 BETA = .00000 MACH = .30133 Q(PSF) = 375.16

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3100	-.2985	-.1829	-.0907	-.0096	.0644	.1374	.1907	.2162
24.000							.0620			
27.800	-.2389									
28.700			-.2779							
29.400				-.1792						
30.400								.1356		
31.300					-.0903					
33.800						-.0127				
41.000							.0474			
44.800				-.2005				.1303	.1888	
50.100	-.2920	-.3002	-.3457	-.1851	-.1016				.1931	
52.900						-.0331				
64.000							-.0082			
67.200	-.5133									
71.500								.0923		
72.200					-.2343					
75.900						-.1111				
82.800							.1003			
92.200							.1082			
93.000	-.5720									
93.500								.1578		
94.000				-.3342						
99.100						-.0044				
101.400	-.5508		-.5380	-.5207	-.3593				.1918	
103.400	-.5393									
105.900					-.2104					
106.100								.088		
115.600	-.5273	-.5528	-.6471	-.3973					.1913	
117.600					-.1065					
119.000						.0370				
120.500							.1005			
124.400								.1543		
133.100					-.0705					
133.500						.0305				
133.800	-.6260	-.5729	-.5781	-.2822					.1921	
134.000							.0972			
142.500							.0993			
147.300						.0138				
148.100					-.0959					
149.100	-.6121	-.5823	-.4708	-.2368					.1940	
156.200						.0173				
157.900					-.1141					
159.500	-.7448									
180.000	-.8116	-.7118	-.4014	-.2093	-.0823	.0193	.1013	.1635	.1934	.2162



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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WEEVRTC4+SPDBRK

(RJPC15) ( 11 MAR 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = .000 AILRON = .000  
 SPDBRK = 25.000 MACH = .200

RN/L ( 1 ) = 2.051 ALPHA ( 1 ) = -2.044 BETA = .00000 MACH = .19985 Q(PSF) = 84.817

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2589	-.2340	-.1031	-.0039	.0744	.1387	.1714	.1898	.1922
24.000							.1359			
27.800	-.1859									
28.700			-.1945							
29.400				-.1037						
30.400								.1725		
31.300					-.0122					
33.800						.0688				
41.000							.1324			
44.800				-.1300				.1727	.1901	
50.100	-.3763	-.3491	-.2829	-.1318	-.0326				.1907	
52.900						.0543				
64.000							.0526			
67.200	-.4090									
71.500								.1340		
72.200				-.1809						
75.900					-.0470					
82.800							.1387			
92.200							.1384			
93.000	-.4380									
93.500								.1782		
94.000				-.2560						
99.100						.0451				
101.400	-.4173		-.4182	-.4215	-.2721				.1884	
103.400	-.4126									
105.900					-.1043					
106.100							.1314			
115.600	-.3985	-.4160	-.4816	-.2608					.1940	
117.600					-.0669					
119.000						.0595				
120.500							.1164			
124.400								.1612		
133.100					-.0675					
133.500						.0567				
133.800	-.4675	-.4598	-.4295	-.2768					.1954	
134.000							.1109			
142.500							.1180			
147.300							.0387			

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK

(RJPC15)

RN/L ( 1 ) = 2.051 ALPHA ( 1 ) = -2.044

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
148.100					- .1021						
149.100	-.4573	-.4681	-.4841	-.3123					.1964		
156.200						.0073					
157.900					-.1356						
159.500	-.5502										
160.000	-.5100	-.4421	-.4242	-.2907	-.1474	-.0143	.1011	.1801	.1996	.1922	

RN/L ( 1 ) = 2.062 ALPHA ( 2 ) = .010 BETA = .00000 MACH = .19985 Q(PSF) = 84.817

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.2605	-.2427	-.1079	-.0101	.0683	.1334	.1691	.1881	.1915	
24.000							.1310				
27.800	-.1828										
28.700			-.1925								
29.400				-.1090							
30.400								.1682			
31.300					-.0193						
33.800						.0619					
41.000							.1235				
44.800				-.1352				.1706	.1881		
50.100	-.3411	-.3223	-.2816	-.1327	-.0392				.1868		
52.900						.0452					
64.000							.0456				
67.200	-.4198										
71.500								.1296			
72.200					-.1917						
75.900						-.0583					
82.800							.1349				
92.200							.1366				
93.000	-.4488										
93.500								.1792			
94.000				-.2646							
99.100						.0374					
101.400	-.4321		-.4320	-.4337	-.2857				.1879		
103.400	-.4236										
105.900					-.1209						
106.100							.1316				
115.600	-.4074	-.4261	-.4951	-.2787					.1926		
117.600					-.0692						
119.000						.0550					
120.500							.1204				

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4+SPOBRK

(RJPC15)

RN/L ( 1 ) = 2.062 ALPHA ( 2 ) = .010

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

124.400								.1571		
133.100					-.0604	.0577				
133.500										
133.800	-.4861	-.4733	-.5295	-.2680					.1950	
134.000							.1102			
142.500							.1200			
147.300						.0457				
148.100					-.0623					
149.100	-.4764	-.4822	-.4830	-.2967					.1968	
156.200						.0251				
157.900					-.1177					
159.500	-.5671									
180.000	-.5370	-.4634	-.4242	-.2805	-.1302	.0048	.1083	.1749	.1979	.1915

RN/L ( 1 ) = 2.060 ALPHA ( 3 ) = 1.943 BETA = .00000 MACH = .19985 Q(PSF) = 84.817

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.2629	-.2494	-.1191	-.0228	.0539	.1206	.1684	.1919	.1955
24.000							.1189			
27.800	-.1825									
28.700		-.1990								
29.400				-.1179						
30.400								.1679		
31.300					-.0310					
33.800						.0484				
41.000							.1100			
44.800				-.1393				.1704	.1929	
50.100	-.3263	-.3183	-.2891	-.1382	-.0498				.1919	
52.900						.0315				
64.000							.0386			
67.200	-.4274									
71.500								.1223		
72.200					-.2014					
75.900						-.0684				
82.800							.1275			
92.200							.1328			
93.000	-.4625									
93.500								.1762		
94.000				-.2722						
99.100						.0326				
101.400	-.4462		-.4428	-.4396	-.2912				.1904	

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVR1C4+SPDBRK

(RJPC15)

RN/L ( 1 ) = 2.060 ALPHA ( 3 ) = 1.943

SECTION ( 1 ) TAIL CONE				DEPENDENT VARIABLE CP						
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
103.400	-.4337									
105.900					-.1340					
106.100							.1276			
115.600	-.4195	-.4364	-.5083	-.2939					.1910	
117.600					-.0702					
119.000						.0540				
120.500							.1238			
124.400								.1598		
133.100					-.0536					
133.500						.0586				
133.800	-.5020	-.4839	-.5284	-.2594					.1942	
134.000							.1129			
142.500							.1208			
147.300						.0530				
148.100					-.0634					
149.100	-.4916	-.4918	-.4780	-.2762					.1945	
156.200						.0388				
157.900					-.0970					
159.500	-.5803									
180.000	-.5573	-.4692	-.4166	-.2625	-.1040	.0238	.1143	.1684	.1950	.1955

RN/L ( 1 ) = 2.064 ALPHA ( 4 ) = 4.018 BETA = .00000 MACH = .19985 Q(PSF) = 84.817

SECTION ( 1 ) TAIL CONE				DEPENDENT VARIABLE CP						
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2653	-.2526	-.1316	-.0378	.0400	.1083	.1637	.1994	.2015
24.000							.1065			
27.800	-.1792									
28.700			-.2114							
29.400				-.1282						
30.400								.1641		
31.300					-.0429					
33.800						.0345				
41.000							.0963			
44.800				-.1491				.1649	.1972	
50.100	-.3039	-.3021	-.3005	-.1453	-.0607				.1982	
52.900						.0171				
64.000							.0297			
67.200	-.4318									
71.500								.1149		
72.200					-.2094					
75.900						-.0779				

LARC LTPT 229(LAB1) WBEVR'C4+SPDBRK

(RJPC15)

RN/L ( 1 ) = 2.064 ALPHA ( 4 ) = 4.018

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
82.800							.1215			
92.200							.1263			
93.000	-.4724									
93.500								.1742		
94.000				-.2813						
99.100						.0242				
101.400	-.4571		-.4529	-.4476	-.2972				.1886	
103.400	-.4426									
105.900					-.1532					
106.100							.1223			
115.600	-.4316	-.4499	-.5292	-.3141					.1912	
117.600					-.0705					
119.000						.0551				
120.500							.1255			
124.400								.1631		
133.100					-.0449					
133.500						.0579				
133.800	-.5179	-.4933	-.5231	-.2490					.1912	
134.000							.1186			
142.500							.1213			
147.300						.0595				
148.100					-.0454					
149.100	-.5041	-.4979	-.4662	-.2516					.1928	
156.200						.0512				
157.900					-.0733					
159.500	-.5894									
180.000	-.5762	-.4628	-.4004	-.2377	-.0809	.0428	.1211	.1658	.1944	.2015

RN/L ( 1 ) = 2.055 ALPHA ( 5 ) = 5.991 BETA = .00000 MACH = .19985 Q(PSF) = 84.817

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000			-.2789	-.2656	-.1502	-.0563	.0225	.0941	.1569	.2006
24.000								.0915		.2060
27.800	-.1925									
28.700			-.2416							
29.400				-.1450						
30.400								.1565		
31.300					-.0604					
33.800						.0175				
41.000							.0756			
44.800				-.1643				.1567	.1998	

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVFTC4+SPDBRK

(RJPC15)

RN/L ( 1 ) = 2.055 ALPHA ( 5 ) = 5.991

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
50.100	-.3151	-.3083	-.3138	-.1594	-.0764				.1989	
52.900						-.0003				
64.000							.0162			
67.200	-.4534									
71.500								.1062		
72.200					-.2193					
75.900						-.0915				
82.800							.1124			
92.200							.1152			
93.000	-.4944									
93.500								.1676		
94.000				-.2944						
99.100						.0160				
101.400	-.4829		-.4738	-.4635	-.3095				.1951	
103.400	-.4643									
105.900					-.1699					
106.100							.1176			
115.600	-.4587	-.4777	-.5588	-.3427					.1926	
117.600					-.0836					
119.000						.0454				
120.500							.1176			
124.400								.1613		
133.100					-.0511					
133.500						.0471				
133.800	-.5460	-.5155	-.5365	-.2543					.1941	
134.000							.1136			
142.500							.1175			
147.300						.0533				
148.100					-.0440					
149.100	-.5264	-.5149	-.4690	-.2433					.1964	
156.200						.0475				
157.900					-.0739					
159.500	-.6020									
180.000	-.5903	-.4671	-.4091	-.2407	-.0823	.0399	.1188	.1671	.1972	.2060

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OF POOR QUALITY

LARC LTPT 229(LA81) WBEV(TC4+SPDBRK

(RJPC15)

RN/L ( 1 ) = 2.068 ALPHA ( 6 ) = 7.955 BETA = .00000 MACH = .19985 Q(PSF) = 84.817

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE C-2

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3071	-.2934	-.1765	-.0808	.0005	.0752	.1445	.1998	.2063
24.000							.0734			
27.800	-.2260									
28.700		-.2815								
29.400				-.1697						
30.400								.1446		
31.300					-.0820					
33.800						-.0031				
41.000							.0617			
44.800				-.1887				.1434	.2005	
50.100	-.3366	-.3324	-.3375	-.1808	-.0946				.1983	
52.900						-.0200				
64.000							.0073			
67.200	-.5241									
71.500								.0951		
72.200					-.2270					
75.900						-.0997				
82.800							.0995			
92.200							.1037			
93.000	-.5682									
93.500								.1549		
94.000				-.3116						
99.100						.0168				
101.400	-.5475		-.5296	-.5032	-.3321				.2012	
103.400	-.5304									
105.900					-.1805					
106.100							.1060			
115.600	-.5101	-.5250	-.5967	-.3666					.1961	
117.600					-.0986					
119.000						.0401				
120.500							.1071			
124.400								.1598		
133.100					-.0717					
133.500						.0375				
133.800	-.5830	-.5494	-.5572	-.2785					.1966	
134.000							.1059			
142.500							.1072			
147.300						.0397				
148.100					-.0621					
149.100	-.5568	-.5412	-.4879	-.2588					.1949	
156.200						.0352				
157.900					-.0915					
159.500	-.6308									
180.000	-.6135	-.4801	-.4278	-.2639	-.1043	.0188	.1124	.1711	.1950	.2063

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK

(RJPC15)

RN/L ( 1 ) = 2.058 ALPHA ( 7 ) = 9.988 BETA = .00000 MACH = .19985 Q(PSF) = 84.817

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE C<sup>2</sup>

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3231	-.3115	-.1979	-.1028	-.0222	.0534	.1276	.1967	.2077
24.000							.0518			
27.800	-.2400									
28.700			-.3080							
29.400				-.1889						
30.400								.1298		
31.300					-.1037					
33.800						-.0251				
41.000							.0423			
44.800				-.2102				.1284	.1965	
50.100	-.3354	-.3329	-.3480	-.1999	-.1131				.1944	
52.900						-.0403				
64.000							-.0103			
67.200	-.5707									
71.500								.0810		
72.200					-.2398					
75.900						-.1165				
82.800							.0558			
92.200							.0581			
93.000	-.6309									
93.500								.1494		
94.000				-.3361						
99.100						.0052				
101.400	-.6112		-.5904	-.5483	-.3582				.2003	
103.400	-.5869									
105.900					-.1934					
106.100							.0902			
115.600	-.5636	-.5747	-.6435	-.3957					.1970	
117.600					-.1069					
119.000						.0309				
120.500							.0933			
124.400								.1519		
133.100					-.0873					
133.500						.0270				
133.800	-.6170	-.5827	-.5789	-.2992					.1948	
134.000							.0145			
142.500							.0131			
147.300						.0253				
148.100					-.0856					
149.100	-.5835	-.5649	-.5063	-.2808					.1931	
156.200						.0150				
157.900					-.1127					
159.500	-.6634									
180.000	-.6628	-.4805	-.4474	-.2880	-.1300	-.0063	.0432	.1664	.1928	.2077



LARC LTPT 229(LA81) WBEVRTC4+SPDBRK

(RJPC15)

RN/L ( 1 ) = 2.060 ALPHA ( 8 ) = 12.435 BETA = .00000 MACH = .19985 Q(PSF) = 84.817

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PH1										
.000		-.3405	-.3363	-.2250	-.1325	-.0510	.0274	.1072	.1856	.2040
24.000							.0248			
27.800	-.2625									
28.700			-.3385							
29.400				-.2192						
30.400								.1101		
31.300					-.1347					
33.800						-.0548				
41.000							.0250			
44.800				-.2325				.1080	.1836	
50.100	-.3276	-.3223	-.3356	-.2181	-.1306				.1811	
52.900						-.0599				
64.000							-.0407			
67.200	-.6341									
71.500								.0536		
72.200					-.2591					
75.900						-.1405				
82.800							.0587			
92.200							.0528			
93.000	-.7145									
93.500								.1236		
94.000				-.3815						
99.100						-.0237				
101.400	-.6906		-.6682	-.6247	-.4177				.1888	
103.400	-.6731									
105.900					-.2140					
106.100							.0470			
115.600	-.6409	-.6502	-.7181	-.4484					.1835	
117.800					-.1294					
119.000						-.0198				
120.500							.0498			
124.400								.1221		
133.100					-.1144					
133.500						-.0193				
133.800	-.6734	-.6319	-.6184	-.3271					.1800	
134.000							.0541			
142.500							.0577			
147.300						-.0198				
148.100					-.1341					
149.100	-.6260	-.6074	-.5491	-.3326					.1803	/
156.200						-.0370				
157.900					-.1653					
159.500	-.7087									
180.000	-.7098	-.5120	-.4938	-.3389	-.1834	-.0600	.0527	.1437	.1813	.2040

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LA81) WBEVRTC' +SPDBRK

(RJPC15)

RN/L ( 1 ) = 2.075 ALPHA ( 9 ) = 14.167 BETA = .00000 MACH = .19985 Q(PSF) = 84.817

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3546	-.3467	-.2473	-.1564	-.0740	.0067	.0912	.1716	.1943
24.000							.0057			
27.800	-.2753									
28.700			-.3583							
29.400				-.2393						
30.400								.0945		
31.300					-.1565					
33.800						-.0771				
41.000							-.0023			
44.800				-.2513				.0890	.1702	
50.100	-.3268	-.3116	-.3453	-.2358	-.1535				.1667	
52.900						-.0858				
64.000							-.0814			
67.200	-.6785									
71.500								.0318		
72.200					-.2803					
75.900						-.1741				
82.800							.0408			
92.200							.0374			
93.000	-.7732									
93.500								.1051		
94.000				-.4259						
99.100						-.0574				
101.400	-.7521		-.7288	-.6765	-.4631				.1707	
103.400	-.7385									
105.900					-.2545					
106.100							.0310			
115.600	-.7063	-.7163	-.7782	-.4992					.1633	
117.600					-.1801					
119.000						-.0536				
120.500							.0274			
124.400								.1072		
133.100					-.1691					
133.500						-.0653				
133.800	-.7230	-.6794	-.6677	-.3738					.1646	
134.000							.0289			
142.500							.0332			
147.300						-.0618				
148.100					-.1929					
149.100	-.6791	-.6591	-.6061	-.4004					.1653	
156.200						-.0872				
157.900					-.2229					
159.500	-.7496									
180.000	-.7359	-.5466	-.5367	-.3873	-.2302	-.1030	.0219	.1262	.1573	.1943

LARC LTPT 229(LAB1) WBEVRTC++SPDBRK

(RJPC15)

RN/L (1) = 2.052 ALPHA (10) = 16.251 BETA = .00000 MACH = .19985 Q(PSF) \* 84.817

SECTION (1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
RH1										
.000		-.3678	-.3733	-.2789	-.1913	-.1124	-.0288	.0641	.1451	.1720
24.000							-.0284			
27.800	-.2937									
28.700		-.3891								
29.400			-.2743							
30.400								.0646		
31.300					-.1916					
33.800						-.1147				
41.000							-.0433			
44.800				-.2901				.0595	.1407	
50.100	-.3408	-.3291	-.3854	-.2782	-.1958				.1401	
52.900						-.1273				
64.000							-.1378			
67.200	-.7111									
71.500								-.0142		
72.200					-.3136					
75.900						-.2275				
82.800							-.0001			
92.200							-.0055			
93.000	-.8180									
93.500								.0767		
94.000				-.4638						
99.100						-.1245				
101.400	-.8029		-.7741	-.7072	-.4953				.1292	
103.400	-.7976									
105.900					-.3263					
106.100							-.0143			
115.600	-.7798	-.7803	-.8414	-.5607					.1307	
117.600					-.2655					
119.000						-.1256				
120.500							-.0127			
124.400								.0789		
133.100					-.2465					
133.500						-.1341				
133.800	-.7916	-.7439	-.7307	-.4303					.1400	
134.000							-.0064			
142.500							-.0052			
147.300						-.1137				
148.100					-.2695					
149.100	-.7674	-.7530	-.6999	-.5037					.1417	
155.200						-.1534				
157.900					-.2990					
159.500	-.8051									
180.000	-.7983	-.6149	-.6025	-.4548	-.3007	-.1617	-.0202	.1016	.1416	.1720

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRT(4+SPDBRK

(RJPC15)

RN/L (1) = 2.072 ALPHA (11) = 18.305 BETA = .00000 MACH = .19985 Q(PSF) = 84.817

SECTION (1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.4221	-.4287	-.3356	-.2479	-.1673	-.0760	.0141	.0946	.1243
24.000							-.0821			
27.800	-.3349									
28.700			-.4346							
29.400				-.3256						
30.400								.0199		
31.300					-.2474					
33.800						-.1686				
41.000							-.1018			
44.800				-.3587				.0085	.0921	
50.100	-.4157	-.4153	-.4879	-.3437	-.2549				.0820	
52.900						-.1868				
64.000							-.2167			
67.200	-.7164									
71.500								-.0909		
72.200					-.3643					
75.900						-.2896				
82.800							-.0959			
92.200							-.1101			
93.000	-.7940									
93.500								-.0238		
94.000				-.5069						
99.100						-.2306				
101.400	-.8090		-.7734	-.7113	-.5378				.0650	
103.400	-.7820									
105.900					-.4087					
106.100							-.0960			
115.600	-.8056	-.8037	-.8489	-.6153					.0638	
117.600					-.3703					
119.000						-.2375				
120.500							-.1143			
124.400								.0006		
133.100					-.3297					
133.500						-.2276				
133.800	-.8557	-.7947	-.7908	-.4919					.0751	
134.000							-.0940			
142.500							-.0847			
147.300						-.1889				
148.100					-.3031					
149.100	-.8208	-.8212	-.7664	-.5552					.0821	
156.200						-.2337				
157.900					-.3720					
159.500	-.8449									
180.000	-.8397	-.6776	-.6707	-.5318	-.3741	-.2372	-.0873	.0339	.0935	.1243

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK

(RJPC16) ( 11 MAR 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = .000 AILRON = .000  
 SPDBRK = 25.000 MACH = .200

RN/L ( 1 ) = 3.987 ALPHA ( 1 ) = -1.943 BETA = .00000 MACH = .19953 Q(PSF) = 166.12

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2630	-.2376	-.1102	-.0114	.0690	.1361	.1863	.2181	.2227
.24.000							.1352			
27.800	-.1888									
28.700			-.2089							
29.400				-.1098						
30.400								.1864		
31.300					-.0157					
33.800						.0673				
41.000							.1325			
44.800				-.1384				.1885	.2155	
50.100	-.3648	-.3444	-.2964	-.1356	-.0356				.2160	
52.900						.0486				
64.000							.0525			
67.200	-.4155									
71.500								.1414		
72.200					-.1856					
75.900						-.0507				
82.800							.1456			
92.200							.1462			
93.000	-.4456									
93.500								.1915		
94.000				-.2626						
99.100						.0412				
101.400	-.4280		-.4243	-.4298	-.2855				.2040	
103.400	-.4182									
105.900					-.1118					
106.100							.1403			
115.600	-.4042	-.4282	-.4945	-.2714					.2173	
117.600					-.0708					
119.000						.0585				
120.500							.1244			
124.400								.1715		
133.100					-.0714					
133.500						.0585				
133.800	-.4780	-.4624	-.5376	-.2858					.2205	
134.000							.1181			
142.500							.1254			
147.300						.0380				

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 109

LARC LTPT 229(LA81) WBEVRTC4+SPDBRK

(RJPC16)

RN/L ( 1 ) = 3.987 ALPHA ( 1 ) = -1.943

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

148.100										
149.100	-.4668	-.4784	-.4877	-.3154					.2200	
156.200						.0005				
157.900						-.1395				
159.500	-.5611									
180.000	-.5106	-.4569	-.4275	-.3004	-.1538	-.0222	.1037	.1920	.2220	.2227

RN/L ( 1 ) = 3.989 ALPHA ( 2 ) = .393 BETA = .00000 MACH = .19953 Q(PSF) = 166.12

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.2636	-.2457	-.1152	-.0189	.0602	.1291	.1791	.2142	.2192
24.000							.1275			
27.800	-.1874									
28.700			-.2107							
29.400				-.1159						
30.400								.1811		
31.300					-.0269					
33.800						.0556				
41.000							.1202			
44.800				-.1428				.1820	.2149	
50.100	-.3190	-.3237	-.2979	-.1368	-.0439				.2134	
52.900						.0390				
64.000							.0428			
67.200	-.4281									
71.500								.1336		
72.200					-.1989					
75.900						-.0652				
82.800							.1400			
92.200							.1435			
93.000	-.4603									
93.500								.1910		
94.000				-.2743						
99.100						.0301				
101.400	-.4450		-.4409	-.4441	-.2988				.2019	
103.400	-.4320									
105.900					-.1321					
106.100							.1387			
115.600	-.4164	-.4416	-.5127	-.2918					.2114	
117.600					-.0731					
119.000						.0534				
120.500							.1293			

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 110

LARC LTPT 229(LAB1) WBEVR(C4+SPDBRK

(RJPC16)

RN/L ( 1 ) = 3.989 ALPHA ( 2 ) = .393

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

124.400

133.100

133.500

133.800

134.000

142.500

147.300

148.100

149.100

156.200

157.900

159.500

180.000

-.0635

.0604

.1185

.129

-.0861

.0238

-.1198

-.5803

-.5471

.1699

.2145

.2147

.1876

.2158

.2192

RN/L ( 1 ) = 3.981 ALPHA ( 3 ) = 1.974 BETA = .00000 MACH = .19953 Q(P5F) = 166.12

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000

24.000

27.800

28.700

29.400

30.400

31.300

33.800

41.000

44.800

50.100

52.900

64.000

67.200

71.500

72.200

75.900

82.800

92.200

93.000

93.500

94.000

99.100

101.400

-.2635

-.2482

-.1222

-.0279

.0510

.1211

.1754

.2157

.2236

-.1838

-.2140

-.1219

-.0343

.0472

.1094

.1781

.2125

.2120

-.3147

-.3151

-.2999

-.1396

-.0506

.0287

.0394

-.4288

.1293

-.2043

-.0710

.1355

.1413

-.4678

.1898

-.2784

.0264

-.4533

-.4479

-.4458

-.3019

.2045

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC1 +SPDBRK

(RJPC16)

RN/L ( 1 ) = 3.981 ALPHA ( 3 ) = 1.974

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

103.400	-.4391				-.1426				
105.900						.1366			
106.100								.2084	
115.600	-.4234	-.4494	-.5233	-.3040					
117.600					-.0735				
119.000						.0545			
120.500						.1346			
124.400							.1717		
133.100					-.0563				
133.500						.0625			
133.800	-.5108	-.4861	-.5359	-.2689				.2119	
134.000						.1220			
142.500						.1327			
147.300						.0571			
148.100					-.0676				
149.100	-.5001	-.5003	-.4808	-.2827				.2130	
156.200						.0360			
157.900					-.1010				
159.500	-.5936								
180.000	-.5555	-.4732	-.4257	-.2695	-.1132	.0237	.1243	.1868	.2149 .2236

RN/L ( 1 ) = 3.971 ALPHA ( 4 ) = 3.947 BETA = .00000 MACH = .19953 Q(PSF) = 166.12

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.2637	-.2500	-.1334	-.0402	.0382	.1095	.1700	.2139 .2255
24.000							.1081		
27.800	-.1791								
28.700			-.2186						
29.400				-.1307					
30.400								.1704	
31.300					-.0439				
33.800						.0348			
41.000							.0964		
44.800				-.1535				.1720	.2113
50.100	-.3001	-.2976	-.3058	-.1451	-.0611			.2116	
52.900						.0157			
64.000							.0313		
67.200	-.4374								
71.500								.1227	
72.200					-.2097				
75.900						-.0793			

ORIGINAL PAGE IS  
OF POOR QUALITY



LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK

(RJPC16)

RN/L ( 1 ) = 3.971 ALPHA ( 4 ) = 3.947

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
82.800							.1291			
92.200							.1376			
93.000	-.4762									
93.500								.1859		
94.000				-.2832						
99.100						.0207				
101.400	-.4636		-.4558	-.4505	-.3048				.2051	
103.400	-.4475									
105.900					-.1604					
106.100							.1306			
115.600	-.4357	-.4621	-.5422	-.3238					.2071	
117.600					-.0770					
119.000						.0557				
120.500							.1361			
124.400								.1750		
133.100					-.0496					
133.500						.0625				
133.800	-.5281	-.4959	-.5322	-.2584					.2126	
134.000							.1276			
142.500							.1330			
147.300						.0630				
148.100					-.0512					
149.100	-.5135	-.5070	-.4737	-.2614					.2115	
156.200						.0513				
157.900					-.0815					
159.500	-.6019									
180.000	-.5809	-.4843	-.4158	-.2543	-.0943	.0377	.1303	.1794	.2114	.2255

RN/L ( 1 ) = 3.965 ALPHA ( 5 ) = 5.981 BETA = .00000 MACH = .19953 Q(PSF) = 166.12

SECTION ( 1 ) TAIL CONE

X

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2688	-.2531	-.1478	-.0565	.0237	.0932	.1598	.2104	.2221
24.000							.0926			
27.800	-.1889									
28.700			-.2334							
29.400				-.1438						
30.400								.1586		
31.300					-.0569					
33.800						.0194				
41.000							.0789			
44.800				-.1617				.1609	.2054	

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 113

LARC LTPT 229(LAB1) WBEVRT(4+SPDBRK

(RJPC16)

RN/L ( 1 ) = 3.965 ALPHA ( 5 ) = 5.981

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
50.100	-.3116	-.2967	-.3129	-.1554	-.0740				.2089	
52.900						.0009				
64.000							.0197			
67.200	-.4489									
71.500								.1138		
72.200					-.2178					
75.900						-.0917				
82.800							.1217			
92.200							.1303			
93.000	-.4893									
93.500								.1778		
94.000				-.2949						
99.100						.0121				
101.400	-.4884		-.4759	-.4632	-.3186				.2000	
103.400	-.4624									
105.900					-.1750					
106.100							.1244			
115.600	-.4622	-.4847	-.5728	-.3545					.2049	
117.600					-.0887					
119.000						.0488				
120.500							.1290			
124.400								.1728		
133.100					-.0535					
133.500						.0515				
133.800	-.5516	-.5128	-.5408	-.2620					.2046	
134.000							.1273			
142.500							.1301			
147.300						.0650				
148.100					-.0451					
149.100	-.5290	-.5220	-.4714	-.2454					.2077	
156.200						.0555				
157.900					-.0702					
159.500	-.6182									
180.000	-.5878	-.4601	-.4055	-.2365	-.0783	.0493	.1301	.1763	.2080	.2221

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 114

LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK

(RJPC16)

RN/L (1) = 3.970 ALPHA (6) = 7.985 BETA = .00000 MACH = .19953 Q(PSF) = 166.12

SECTION (1) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2965	-.2857	-.1722	-.0793	-.0005	.0761	.1456	.1998	.2199
24.000							.0745			
27.800	-.2160									
28.700			-.2592							
29.400				-.1661						
30.400								.1420		
31.300					-.0793					
33.800						-.0023				
41.000							.0559			
44.800				-.1888				.1413	.1969	
50.100	-.3288	-.3146	-.3322	-.1754	-.0903				.1978	
52.900						-.0216				
64.000							.0049			
67.200	-.4942									
71.500								.1043		
72.200					-.2313					
75.900						-.1067				
82.800							.1111			
92.200							.1213			
93.000	-.5367									
93.500								.1725		
94.000				-.3152						
99.100						.0003				
101.400	-.5616		-.5338	-.5118	-.3411				.2030	
103.400	-.5009									
105.900					-.1950					
106.100							.1176			
115.600	-.5196	-.5404	-.6157	-.3849					.2070	
117.600					-.1030					
119.000						.0425				
120.500							.1165			
124.400								.1673		
133.100					-.0703					
133.500						.0440				
133.800	-.5916	-.5490	-.5631	-.2847					.2100	
134.000							.1161			
142.500							.1192			
147.300						.0477				
148.100					-.0596					
149.100	-.5613	-.5460	-.4861	-.2601					.2085	
156.200						.0395				
157.900					-.0900					
159.500	-.6418									
180.000	-.6314	-.4657	-.4273	-.2613	-.1006	.0304	.1216	.1752	.2085	.2199

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 115

LARC LTPT 229(LAB1) WBEVR1C4+SPDBRK

(RJPC16)

RN/L ( 1 ) = 3.952 ALPHA ( 7 ) = 10.109 BETA = .00000 MACH = .19953 Q(PSF) = 166.12

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3070	-.2963	-.1902	-.1013	-.0203	.0539	.1307	.1976	.2247
24.000							.0518			
27.800	-.2265									
28.700			-.2837							
29.400				-.1856						
30.400								.1301		
31.300					-.1044					
33.800						-.0262				
41.000							.0381			
44.800				-.2087				.1304	.1945	
50.100	-.3278	-.3080	-.3372	-.1915	-.1116				.1929	
52.900						-.0430				
64.000							-.0151			
67.200	-.5180									
71.500								.0944		
72.200					-.2422					
75.900						-.1188				
82.800							.1001			
92.200							.1045			
93.000	-.5860									
93.500								.1623		
94.000				-.3404						
99.100						-.0123				
101.400	-.6100		-.5746	-.5519	-.3755				.2014	
103.400	-.5600									
105.900					-.2135					
106.100							.1029			
115.600	-.5577	-.5802	-.6604	-.4204					.2033	
117.600					-.1240					
119.000						.0263				
120.500							.0991			
124.400								.1595		
133.100					-.0949					
133.500						.0208				
133.800	-.6237	-.5838	-.5821	-.3056					.2061	
134.000							.1013			
142.500							.102			
147.300						.0282				
148.100					-.0905					
149.100	-.5894	-.5693	-.5058	-.2847					.2047	
156.200						.0093				
157.900					-.1189					
159.500	-.6795									
180.000	-.6493	-.4885	-.4516	-.2899	-.1290	-.0023	.1003	.1725	.2066	.2247

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVR/C4+SPDBRK

(RJRC16)

RN/L (1) = 3.967 ALPHA (8) = 12.093 BETA = .00000 MACH = .19953 Q(RSF) = 166.12

SECTION (1) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PH1										
.000		-.3313	-.3254	-.2207	-.1310	-.0505	.027	.1093	.1882	.2205
24.000							.0265			
27.800	-.2511									
28.700			-.3371							
29.400				-.2149						
30.400								.1126		
31.300					-.1313					
33.800						-.0532				
41.000							.0163			
44.800				-.2352				.1122	.1815	
50.100	-.3303	-.3116	-.3440	-.2194	-.1362				.1829	
52.900						-.0707				
64.000							-.0361			
67.200	-.6192									
71.500								.0676		
72.200					-.2611					
75.900						-.1403				
82.800							.0731			
92.200							.0743			
93.000	-.6907									
93.500								.1391		
94.000				-.3835						
99.100						-.0210				
101.400	-.6694		-.6396	-.6081	-.4234				.1936	
103.400	-.6525									
105.900					-.2244					
106.100							.0653			
115.600	-.6123	-.6326	-.7169	-.4573					.1870	
117.600					-.1508					
119.000						-.0081				
120.500							.0710			
124.400								.1364		
133.100					-.1310					
133.500						-.0155				
133.800	-.6629	-.6176	-.6068	-.3333					.1919	
134.000							.0655			
142.500							.0655			
147.300						-.0160				
148.100					-.1429					
149.100	-.6247	-.6099	-.5472	-.3384					.1925	
156.200						-.0483				
157.900					-.1724					
159.500	-.7167									
180.000	-.7133	-.5284	-.4893	-.3345	-.1834	-.0535	.0626	.1517	.1936	.2205

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK

(RJPC17) ( 11 MAR 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = .000 AILRON = .000  
 SPDBRK = 25.000 MACH = .200

RN/L ( 1 ) = 5.967 ALPHA ( 1 ) = -2.074 BETA = .00000 MACH = .19985 Q(PSF) = 253.45

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CF

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2675	-.2417	-.1114	-.0139	.0699	.1351	.1920	.2248	.2337
24.000							.1354			
27.800	-.1880									
28.700			-.2189							
29.400				-.1132						
30.400								.1951		
31.300					-.0173					
33.800						.0677				
41.000							.1339			
44.800				-.1460				.1946	.2231	
50.100	-.3835	-.3410	-.3018	-.1360	-.0374				.2249	
52.900						.0481				
64.000							.0541			
67.200	-.4169									
71.500								.1464		
72.200					-.1894					
75.900						-.0536				
82.800							.1506			
92.200							.1454			
93.000	-.4527									
93.500								.1982		
94.000				-.2683						
99.100						.0385				
101.400	-.4343		-.4285	-.4347	-.2936				.2081	
103.400	-.4243									
105.900					-.1157					
106.100							.1435			
115.600	-.4094	-.4392	-.5065	-.2780					.2257	
117.600					-.0736					
119.000						.0595				
120.500							.1217			
124.400								.1750		
133.100					-.0779					
133.500						.0583				
133.800	-.4863	-.4679	-.5466	-.2954					.2271	
134.000							.1211			
142.500							.1210			
147.300						.0344				

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 118

LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK

(RJPC17)

RN/L ( 1 ) = 5.967 ALPHA ( 1 ) = -2.074

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
148.100					-1.1192					
149.100	-1.4722	-1.4855	-1.4916	-1.3242					.2268	
156.200						-1.0080				
157.900					-1.1458					
159.500	-1.5716									
180.000	-1.5150	-1.4594	-1.4334	-1.2995	-1.1645	-1.0322	.1018	.1946	.2261	.2337

RN/L ( 1 ) = 5.967 ALPHA ( 2 ) = .050 BETA = .00000 MACH = .19985 Q(PSF) = 253.45

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-1.2651	-1.2449	-1.1170	-1.0190	.0613	.1324	.1866	.2264	.2364
24.000							.1304			
27.800	-1.1876									
28.700			-1.2173							
29.400				-1.1173						
30.400								.1897		
31.300					-1.0258					
33.800						.0575				
41.000							.1235			
44.800				-1.1503				.1900	.2255	
50.100	-1.3278	-1.3290	-1.3054	-1.1383	-1.0449				.2229	
52.900						.0390				
64.000							.0475			
67.200	-1.4233									
71.500								.1395		
72.200					-1.1984					
75.900						-1.0651				
82.800							.1449			
92.200							.1494			
93.000	-1.4634									
93.500								.2009		
94.000				-1.2775						
99.100						.0261				
101.400	-1.4492		-1.4422	-1.4466	-1.3046				.2099	
103.400	-1.4350									
105.900					-1.1339					
106.100							.1456			
115.600	-1.4183	-1.4487	-1.5208	-1.2947					.2241	
117.600					-1.0765					
119.000						.0564				
120.500							.1352			

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4+SPDERK

(RJPC17)

RN/L ( 1 ) = 5.957 ALPHA ( 2 ) = .050

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

124.400								.1762		
133.100					-.0668					
133.500						.0640				
133.800	-.5047	-.4791	-.5460	-.2846					.2269	
134.000							.1240			
142.500							.1332			
147.300						.0470				
148.100					-.0939					
149.100	-.4919	-.4991	-.4904	-.3070					.2266	
156.200						.0151				
157.900					-.1255					
159.500	-.5910									
180.000	-.5549	-.4853	-.4377	-.2897	-.1408	-.0049	.1138	.1949	.2264	.2364

RN/L ( 1 ) = 5.961 ALPHA ( 3 ) = 2.004 BETA = .00000 MACH = .19985 Q(PSF) = 253.45

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.2669	-.2520	-.1256	-.0311	.0506	.1208	.1801	.2210	.2332
24.000							.1197			
27.800	-.1844									
28.700			-.2253							
29.400				-.1254						
30.400								.1834		
31.300					-.0363					
33.800						.0450				
41.000							.1090			
44.800				-.1545				.1836	.2201	
50.100	-.3189	-.3200	-.3088	-.1423	-.0530				.2180	
52.900						.0263				
64.000							.0381			
67.200	-.4306									
71.500								.1320		
72.200					-.2072					
75.900						-.0765				
82.800							.1371			
92.200							.1461			
93.000	-.4771									
93.500								.1958		
94.000				-.2846						
99.100						.0233				
101.400	-.4621		-.4530	-.4527	-.3113				.2099	



DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1 WBEVRTC4+SPOBRK

(RJPC17)

RN/L ( 1) = 5.961 ALPHA ( 3) = 2.004

SECTION ( 1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

103.400	-.4461								
105.900				-.1514					
106.100						.1413			
115.600	-.4296	-.4587	-.5359	-.3115				.2187	
117.600				-.0777					
119.000					.0549				
120.500						.1392			
124.400							.1768		
133.100				-.0596					
133.500					.0643				
133.800	-.5211	-.4910	-.5452	-.2759				.2208	
134.000						.1264			
142.500						.1361			
147.300					.0575				
148.100				-.0726					
149.100	-.5082	-.5108	-.4872	-.2874				.2232	
156.200					.0337				
157.900				-.1044					
159.500	-.6012								
180.000	-.5690	-.4849	-.4329	-.2812	-.1127	.0180	.1265	.1913	.2221
								.2332	

RN/L ( 1) = 5.949 ALPHA ( 4) = 4.128 BETA = .00000 MACH = .19985 Q(PSF) = 253.45

SECTION ( 1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.2662	-.2501	-.1349	-.0444	.0375	.1088	.1729	.2169	.2354
24.000							.1063			
27.800	-.1778									
28.700			-.2274							
29.400				-.1340						
30.400								.1768		
31.300					-.0468					
33.800						.0330				
41.000							.0968			
44.800				-.1618				.1768	.2157	
50.100	-.2987	-.2938	-.3101	-.1463	-.0624				.2184	
52.900						.0133				
64.000							.0295			
67.200	-.4362									
71.500								.1264		
72.200				-.2121						
75.900					-.0834					

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1: WBEVRTC4+SPDBRK

(RJPC17)

RN/L ( 1 ) = 5.949 ALPHA ( 4 ) = 4.128

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
82.800							.1316			
92.200							.1424			
93.000	-.4838									
93.500								.1929		
94.000				-.2882						
99.100						.0187				
101.400	-.4733		-.4625	-.4596	-.3152				.2125	
103.400	-.4547									
105.900					-.1689					
106.100							.1348			
115.600	-.4432	-.4741	-.5568	-.3358					.2199	
117.600					-.0785					
119.000						.0553				
120.500							.1423			
124.400								.1826		
133.100					-.0507					
133.500						.0660				
133.800	-.5395	-.5016	-.5396	-.2642					.2200	
134.000							.1320			
142.500							.1401			
147.300						.0663				
148.100					-.0519					
149.100	-.5226	-.5185	-.4753	-.2623					.2221	
156.200						.0524				
157.900					-.0813					
159.500	-.6099									
180.000	-.5972	-.5036	-.4317	-.2585	-.0982	.0368	.1340	.1896	.2212	.2354

RN/L ( 1 ) = 5.904 ALPHA ( 5 ) = 6.243 BETA = .00000 MACH = .19985 Q(PSF) = 253.45

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
.000		-.2682	-.2527	-.1460	-.0569	.0240	.0959	.1652	.2163	.2378
24.000							.0925			
27.800	-.1808									
28.700			-.2443							
29.400				-.1454						
30.400								.1669		
31.300					-.0580					
33.800						.0186				
41.000							.0792			
44.800				-.1711				.1689	.2164	

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK

(RJPC17)

RN/L ( 1 ) = 5.904 ALPHA ( 5 ) = 6.243

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
50.100	-.3034	-.2885	-.3119	-.1539	-.0732				.2192	
52.900						.0004				
64.000							.0194			
67.200	-.4471									
71.500								.1212		
72.200					-.2154					
75.900						-.0938				
82.800							.1274			
92.200							.1357			
93.000	-.4969									
93.500								.1881		
94.000				-.2962						
99.100						.0170				
101.400	-.4875		-.4743	-.4674	-.3236				.2184	
103.400	-.4682									
105.900					-.1822					
106.100							.1299			
115.600	-.4614	-.4954	-.5831	-.3644					.2210	
117.600					-.0871					
119.000						.0495				
120.500							.1371			
124.400								.1824		
133.100					-.0532					
133.500						.0609				
133.800	-.5605	-.5189	-.5441	-.2674					.2235	
134.000							.1353			
142.500							.1375			
147.300						.0685				
148.100					-.0428					
149.100	-.5417	-.5285	-.4744	-.2476					.2248	
156.200						.0589				
157.900					-.0709					
159.500	-.6226									
180.000	-.5940	-.4675	-.4024	-.2426	-.0790	.0478	.1387	.1918	.2229	.2378

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK

(RJPC17)

RN/L ( 1 ) = 5.945 ALPHA ( 6 ) = 8.045 BETA = .00000 MACH = .19985 Q(PSF) = 253.45

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2862	-.2764	-.1655	-.0750	.0049	.0772	.1517	.2145	.2375
24.000							.0746			
27.800	-.2015									
28.700			-.2645							
29.400				-.1610						
30.400								.1522		
31.300					-.0756					
33.800						.0004				
41.000							.0539			
44.800				-.1910				.1521	.2132	
50.100	-.3119	-.2988	-.3274	-.1694	-.0909				.2137	
52.900						-.0212				
64.000							.0022			
67.200	-.4822									
71.500								.1100		
72.200					-.2223					
75.900						-.1074				
82.800							.1169			
92.200							.1259			
93.000	-.5358									
93.500								.1760		
94.000				-.3120						
99.100						.0088				
101.400	-.5282		-.5101	-.4942	-.3449				.2162	
103.400	-.5097									
105.900					-.2027					
106.100							.1237			
115.600	-.4997	-.5328	-.6171	-.3978					.2179	
117.600					-.1063					
119.000						.0406				
120.500							.1250			
124.400								.1755		
133.100					-.0701					
133.500						.0457				
133.800	-.5921	-.5467	-.5653	-.2877					.2194	
134.000							.1245			
142.500							.1271			
147.300						.0564				
148.100					-.0582					
149.100	-.5683	-.5550	-.4892	-.2613					.2192	
156.200						.0427				
157.900					-.0878					
159.500	-.6516									
180.000	-.6122	-.4782	-.4306	-.2653	-.1043	.0261	.1270	.1892	.2194	.2375

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK

(RJPC17)

RN/L (1) = 5.923 ALPHA (7) = 10.280 BETA = .00000 MACH = .19985 Q(PSF) = 253.45

SECTION (1) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2907	-.2822	-.1805	-.0980	-.0165	.0558	.1356	.2060	.2392
24.000							.0528			
27.800	-.2127									
28.700			-.2793							
29.400				-.1818						
30.400								.1411		
31.300					-.0952					
33.800						-.0233				
41.000							.0422			
44.800				-.2003				.1415	.2056	
50.100	-.3105	-.2779	-.3227	-.1829	-.1031				.2037	
52.900						-.0397				
64.000							-.0187			
67.200	-.5106									
71.500								.0929		
72.200					-.2350					
75.900						-.1167				
82.800							.1019			
92.200							.1039			
93.000	-.5900									
93.500								.1689		
94.000				-.3436						
99.100						-.0087				
101.400	-.5814		-.5552	-.5410	-.3805				.2135	
103.400	-.5660									
105.900					-.2219					
106.100							.1096			
115.600	-.5418	-.5794	-.6623	-.4316					.2087	
117.600					-.1273					
119.000						.0303				
120.500							.1112			
124.400								.1659		
133.100					-.0997					
133.500						.0226				
133.600	-.6211	-.5788	-.5837	-.3132					.2129	
134.000							.1092			
142.500							.1069			
147.300						.0314				
148.100					-.0900					
149.100	-.6031	-.5810	-.5128	-.2861					.2120	
156.200						.0078				
157.900					-.1231					
159.500	-.6876									
180.000	-.6510	-.5018	-.4588	-.3008	-.1417	-.0122	.1007	.1825	.2106	.2392

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK

(RJPC18) ( 11 MAR 76 )

## REFERENCE DATA

## PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

ELEVON = .000 AILRON \* .000  
 SPDBRK = 25.000 MACH \* .200

RN/L ( 1 ) = 8.103 ALPHA ( 1 ) = -2.014 BETA = .00000 MACH = .19918 Q(PSF) = 347.55

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2683	-.2442	-.1107	-.0131	.0713	.1421	.1964	.2317	.2419
24.000							.1403			
27.800	-.1885									
28.700			-.2204							
29.400				-.1130						
30.400								.1974		
31.300					-.0183					
33.800						.0663				
41.000							.1344			
44.800				-.1508				.1996	.2294	
50.100	-.3882	-.3505	-.3050	-.1372	-.0364				.2279	
52.900						.0485				
64.000							.0567			
67.200	-.4178									
71.500								.1505		
72.200					-.1916					
75.900						-.0563				
82.800							.1533			
92.200							.1535			
93.000	-.4554									
93.500								.2042		
94.000				-.2718						
99.100						.0366				
101.400	-.4381		-.4305	-.4360	-.2959				.2136	
103.400	-.4287									
105.900					-.1197					
106.100							.1459			
115.600	-.4130	-.4446	-.5136	-.2793					.2272	
117.600					-.0734					
119.000						.0612				
120.500							.1319			
124.400								.1821		
133.100					-.0773					
133.500						.0620				
133.800	-.4920	-.4697	-.5516	-.2995					.2283	
134.000							.1230			
142.500							.1244			
147.300						.0337				

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DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK

(RJPC18)

RN/L ( 1 ) = 8.103 ALPHA ( 1 ) = -2.014

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
148.100										
149.100	-.4759	-.4913	-.4933	-.3261	-.1214				.2308	
156.200						-.0105				
157.900					-.1498					
159.500	-.5771									
180.000	-.5293	-.4675	-.4371	-.3874	-.1673	-.0290	.1008	.1979	.2315	.2419

RN/L ( 1 ) = 8.101 ALPHA ( 2 ) = .040 BETA = .00000 MACH = .19918 Q(PSF) = 347.55

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2698	-.2524	-.1176	-.0221	.0620	.1344	.1902	.2279	.2393
24.000							.1323			
27.800	-.1904									
28.700		-.2247								
29.400			-.1194							
30.400								.1933		
31.300					-.0259					
33.800						.0568				
41.000							.1248			
44.800				-.1550				.1924	.2263	
50.100	-.3370	-.3347	-.3109	-.1385	-.0459				.2249	
52.900						.0366				
64.000							.0461			
67.200	-.4263									
71.500								.1401		
72.200					-.2020					
75.900						-.0677				
82.800							.1464			
92.200							.1511			
93.000	-.4677									
93.500								.2021		
94.000				-.2809						
99.100						.0242				
101.400	-.4547		-.4458	-.4496	-.3101				.2100	
103.400	-.4413									
105.900					-.1386					
106.100							.1471			
115.600	-.4230	-.4557	-.5285	-.3002					.2250	
117.600					-.0773					
119.000						.0575				
120.500							.1368			

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK

(RJPC18)

RN/L ( 1 ) = 8.101 ALPHA ( 2 ) = .040

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

124.400								.1754		
133.100					-.0690					
133.500						.0643				
133.800	-.5115	-.4830	-.5520	-.2906					.2249	
134.000							.1245			
142.500							.1322			
147.300						.0443				
148.100					-.0997					
149.100	-.4978	-.5058	-.4946	-.3119					.2269	
156.200						.0115				
157.900					-.1306					
159.500	-.5926									
180.000	-.5645	-.4816	-.4374	-.2897	-.1436	-.0077	.1113	.1909	.2255	.2393

RN/L ( 1 ) = 8.086 ALPHA ( 3 ) = 2.024 BETA = .00000 MACH = .19918 Q(PSF) = 347.55

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.2706	-.2566	-.1238	-.0314	.0524	.1251	.1850	.2253	.2364
24.000							.1213			
27.800	-.1870									
28.700		-.2254								
29.400			-.1265							
30.400								.1871		
31.300					-.0355					
33.800						.0458				
41.000							.1115			
44.800				-.1569				.1885	.2242	
50.100	-.3298	-.3209	-.3110	-.1411	-.0525				.2206	
52.900						.0276				
64.000							.0406			
67.200	-.4293									
71.500								.1367		
72.200					-.2080					
75.900						-.0761				
82.800							.1424			
92.200							.1500			
93.000	-.4793									
93.500								.1974		
94.000				-.2848						
99.100						.0226				
101.400	-.4656		-.4548	-.4570	-.3160				.2116	



DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT. 229(LAB1) WBEVRTC4+SPDBRK

(RJPC18)

RN/L ( 1 ) = 8.086 ALPHA ( 3 ) = 2.024

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
103.400	-.4495										
105.900					-.1538						
106.100							.1461				
115.600	-.4320	-.4654	-.5421	-.3159					.2199		
117.600					-.0756						
119.000						.0559					
120.500							.1434				
124.400								.1772			
133.100					-.0591						
133.500						.0698					
133.800	-.5267	-.4920	-.5487	-.2790					.2218		
134.000							.1307				
142.500							.1344				
147.300						.0576					
148.100					-.0724						
149.100	-.5099	-.5111	-.4853	-.2869					.2231		
156.200						.0302					
157.900					-.1073						
159.500	-.5967										
180.000	-.6140	-.5529	-.4406	-.2724	-.1254	.0154	.1154	.1890	.2265	.2364	

RN/L ( 1 ) = 8.069 ALPHA ( 4 ) = 4.098 BETA = .00000 MACH = .19918 Q(PSF) = 347.55

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.2700	-.2549	-.1348	-.0452	.0388	.1093	.1772	.2173	.2354	
24.000							.1077				
27.800	-.1856										
28.700			-.2287								
29.400				-.1353							
30.400								.1762			
31.300					-.0458						
33.800						.0329					
41.000							.0957				
44.800				-.1628				.1768	.2141		
50.100	-.3011	-.2973	-.3127	-.1462	-.0634				.2157		
52.900						.0125					
64.000							.0316				
67.200	-.4368										
71.500								.1277			
72.200					-.2133						
75.900						-.0871					

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 129

LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK

(RJPC18)

RN/L ( 1 ) = 8.069 ALPHA ( 4 ) = 4.098

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

82.800

92.200

93.000 - .4885

93.500

94.000

99.100

101.400

103.400

105.900

106.100

115.600

117.600

119.000

120.500

124.400

133.100

133.500

133.800

134.000

142.500

147.300

148.100

149.100

156.200

157.900

159.500

180.000

.1341

.1456

.1950

-.2909

.0183

.2119

-.4633

-.4607

-.3211

-.1721

.1388

.2137

-.4796

-.5616

-.3398

-.0794

.0566

.1437

.1773

-.0507

.0685

.2163

-.5439

-.5036

-.5429

-.2683

.1285

.1347

.0618

-.0521

.0394

.2227

-.5251

-.5187

-.4785

-.2599

-.0883

-.5989

-.6487

-.5670

-.4578

-.2852

-.1188

.0213

.1166

.1811

.2190

.2354

RN/L ( 1 ) = 8.078 ALPHA ( 5 ) = 5.971 BETA = .00000 MACH = .19918 Q(PSF) = 347.55

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000

24.000

27.800

28.700

29.400

30.400

31.300

33.800

41.000

44.800

-.2742

-.2629

-.1462

-.0602

.0249

.0959

.0944

.1680

.2189

.2426

-.1954

-.2393

-.1463

-.0590

.0185

.0792

.1673

.1673

.2139

-.1743

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK

(RJPC18)

RN/L ( 1 ) = 8.078 ALPHA ( 5 ) = 5.971

SECTION ( 1 )	TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
50.100	-.3170	-.2941	-.3144	-.1524	-.0733				.2197		
52.900						-.0000					
64.000							.0179				
67.200	-.4487										
71.500								.1211			
72.200					-.2201						
75.900						-.0948					
82.800							.1281				
92.200							.1391				
93.000	-.5020										
93.500								.1902			
94.000				-.3025							
99.100						.0120					
101.400	-.4938		-.4774	-.4701	-.3296				.2171		
103.400	-.4734										
105.900					-.1914						
106.100							.1339				
115.600	-.4629	-.4993	-.5877	-.3667					.2208		
117.600					-.0892						
119.000						.0523					
120.500							.1382				
124.400								.1810			
133.100					-.0512						
133.500						.0886					
133.800	-.5647	-.5208	-.5462	-.2704					.2201		
134.000							.1354				
142.500							.1365				
147.300						.0657					
148.100					-.0446						
149.100	-.5468	-.5359	-.4747	-.2497					.2266		
156.200						.0544					
157.900					-.0744						
159.500	-.6379										
180.000	-.6313	-.4856	-.4028	-.2511	-.0863	.0409	.1375	.1920	.2237	.2426	

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK

(RJPC18)

RN/L ( 1 ) = 8.047 ALPHA ( 6 ) = 8.035 BETA = .00000 MACH = .19918 Q(PSF) = 347.55

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2908	-.2792	-.1668	-.0842	.0004	.0746	.1532	.2092	.2404
24.000							.0718			
27.800	-.2096									
28.700			-.2659							
29.400				-.1666						
30.400								.1521		
31.300					-.0810					
33.800						-.0021				
41.000							.0529			
44.800				-.1969				.1500	.2046	
50.100	-.3288	-.3040	-.3333	-.1699	-.0903				.2115	
52.900						-.0231				
64.000							.0042			
67.200	-.4786									
71.500								.1104		
72.200					-.2238					
75.900						-.1085				
82.600							.1200			
92.200							.1302			
93.000	-.5427									
93.500								.1786		
94.000				-.3195						
99.100						.0025				
101.400	-.5435		-.5125	-.4966	-.3530				.2148	
103.400	-.5112									
105.900					-.2099					
106.100							.1273			
115.600	-.5165	-.5375	-.6309	-.3882					.2206	
117.600					-.1083					
119.000						.0427				
120.500							.1275			
124.400								.1748		
133.100					-.0702					
133.500						.0428				
133.800	-.5980	-.5529	-.5677	-.2875					.2191	
134.000							.1226			
142.500							.1300			
147.300						.0521				
148.100					-.0604					
149.100	-.5810	-.5624	-.4912	-.2597					.2186	
156.200						.0405				
157.900					-.0935					
159.500	-.6785									
180.000	-.7122	-.4893	-.4182	-.2586	-.0972	.0258	.1239	.1880	.2192	.2404

TABULATED SOURCE DATA - LAB1

(RJPC19) ( 11 MAR 76 )

LARC LTPT 229(LA81) WBEVRTC4+SPOBRK

### PARAMETRIC DATA

ELEVON	=	.000	AILRON	=	.000
SPDBRK	=	25.000	MACH	=	.200

RN/L (1) = 10.040    ALPHA (1) = -1.994    BETA = .00000    MACH = .19955    Q(PSF)' = 440.81

SECTION ( 1 )TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
------	-------	--------	--------	--------	--------	--------	--------	--------	--------	--------

PHI									
.000		-.2691	-.2500	-.1071	-.0116	.0731	.1440	.1991	.2314
24.000							.1433		.2424
27.800	-.1915								
28.700			-.2219						
29.400				-.1147					
30.400								.1997	
31.300					-.0169				
33.800						.0687			
41.000							.1313		
44.800				-.1578				.1994	.2321
50.100	-.3808	-.3596	-.3099	-.1344	-.0346				.2294
52.900						.0426			
64.000							.0580		
67.200	-.4175								
71.500								.1576	
72.200					-.1903				
75.900						-.0564			
82.800							.1560		
92.200							.1564		
93.000	-.4614								
93.500								.2080	
94.000				-.2720					
99.100						.0355			
101.400	-.4444		-.4343	-.4419	-.3056				.2128
103.400	-.4315								
105.900					-.1202				
106.100							.1452		
115.600	-.4159	-.4499	-.5211	-.2864					.2244
117.600					-.0747				
119.000						.0615			
120.500							.1284		
124.400								.1825	
133.100					-.0780				
133.500						.0619			
133.800	-.4963	-.4727	-.5551	-.3018					.2248
134.000							.1203		
142.500							.1044		
147.300						.0200			

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) 4BEVRTC4+SPDBRK

(RJPC19)

RN/L ( 1 ) = 10.040 ALPHA ( 1 ) = -1.994

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
148.100					- .1249					
149.100	-.4787	-.4939	-.4943	-.3235					.2270	
156.200						-.0261				
157.900					-.1595					
159.500	-.5655									
180.000	-.6467	-.5700	-.4998	-.3499	-.1844	-.0445	.0864	.1895	.2271	.2424

RN/L ( 1 ) = 10.033 ALPHA ( 2 ) = .030 BETA = .00000 MACH = .19955 Q(PSF) = 440.81

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2702	-.2537	-.1153	-.0195	.0642	.1366	.1941	.2292	.2399
24.000							.1330			
27.800	-.1915									
28.700		-.2192								
29.400			-.1197							
30.400								.1948		
31.300					-.0250					
33.800						.0583				
41.000							.1209			
44.800				-.1611				.1958	.2303	
50.100	-.3592	-.3468	-.3106	-.1359	-.0433				.2276	
52.900						.0313				
64.000							.0479			
67.200	-.4186									
71.500								.1465		
72.200					-.2001					
75.900						-.0661				
82.800							.1513			
92.200							.1547			
93.000	-.4706									
93.500								.2048		
94.000				-.2818						
99.100						.0269				
101.400	-.4590		-.4468	-.4530	-.3147				.2170	
103.400	-.4430									
105.900					-.1392					
106.100							.1477			
115.600	-.4262	-.4599	-.5328	-.3015					.2236	
117.600					-.0770					
119.000						.0563				
120.500							.1352			

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK

(RJPC19)

RN/L ( 1 ) = 10.033 ALPHA ( 2 ) = .030

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

124.400									
133.100					-.0688				.1807
133.500						.0659			
133.800	-.5136	-.4842	-.5526	-.2911				.2251	
134.000							.1229		
142.500							.1185		
147.300						.0338			
148.100					-.0985				
149.100	-.5008	-.5088	-.4906	-.3074				.2239	
156.200						-.0042			
157.900					-.1396				
159.500	-.5856								
180.000	-.6778	-.5694	-.4930	-.3239	-.1648	-.0247	.0995	.1865	.2258 .2399

RN/L ( 1 ) = 10.016 ALPHA ( 3 ) = 1.984 BETA = .00000 MACH = .19955 Q(PSF) = 440.81

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000									
24.000		-.2729	-.2576	-.1261	-.0342	.0500	.1222	.1851	.2210 .2355
27.800	-.1911						.1197		
28.700			-.2275						
29.400				-.1286					
30.400								.1863	
31.300					-.0372				
33.800						.0442			
41.000							.1047		
44.800				-.1698				.1861	.2204
50.100	-.3238	-.3237	-.3098	-.1419	-.0534			.2194	
52.900						.0188			
64.000							.0378		
67.200	-.4257								
71.500								.1362	
72.200					-.2095				
75.900						-.0791			
82.800							.1414		
92.200							.1508		
93.000	-.4826								
93.500								.1974	
94.000				-.2894					
99.100						.0196			
101.400	-.4732		-.4603	-.4602	-.3228			.2098	

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) NBEVRTC4+SPDBRK

(RJPC19)

RN/L ( 1 ) = 10.016 ALPHA ( 3 ) = 1.984.

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

103.400	-.4541								
105.900				-.1581					
106.100						.1430			
115.600	-.4358	-.4706	-.5487	-.3223				.2198	
117.600				-.0790					
119.000					.0549				
120.500						.1412			
124.400							.1738		
133.100				-.0606					
133.500					.0682				
133.800	-.5318	-.4960	-.5501	-.2824				.2204	
134.000						.1277			
142.500						.1274			
147.300					.0543				
148.100				-.0769					
149.100	-.5194	-.5216	-.4874	-.2873				.2197	
156.200					.0247				
157.900				-.1140					
159.500	-.6043								
180.000	-.6340	-.5235	-.4438	-.2811	-.1232	.0077	.1123	.1780	.2223 .2355

RN/L ( 1 ) = 10.014 ALPHA ( 4 ) = 3.977 BETA = .00000 MACH = .19955 Q(PSF) = 440.81

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.2727	-.2576	-.1374	-.0467	.0373	.1095	.1745	.2103 .2321
24.000							.1071		
27.800	-.1903								
28.700			-.2306						
29.400				-.1383					
30.400								.1766	
31.300				-.0494					
33.800					.0313				
41.000						.0922			
44.800				-.1700			.1780	.2118	
50.100	-.3136	-.3063	-.3149	-.1441	-.0632			.2136	
52.900					.0102				
64.000						.0290			
67.200	-.4297								
71.500							.1267		
72.200				-.2157					
75.900					-.0889				



LARC LTPT 229(LA81) -ABEVRTC4+SPDBRK

(RJPC19)

RN/L ( 1 ) = 10.014 ALPHA ( 4 ) = 3.977

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB		.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI											
82.800								.1349			
92.200								.1460			
93.000	-.4903										
93.500									.1897		
94.000					-.2946						
99.100						.0171					
101.400	-.4817			-.4674	-.4626	-.3247				.2080	
103.400	-.4612										
105.900						-.1778					
106.100								.1387			
115.600	-.4469	-.4845	-.5671	-.3426						.2106	
117.600					-.0819						
119.000						.0558					
120.500								.1432			
124.400									.1781		
133.100					-.0513						
133.500						.0699					
133.800	-.5492	-.5052	-.5469	-.2711						.2105	
134.000								.1303			
142.500								.1291			
147.300						.0626					
148.100					-.0540						
149.100	-.5333	-.5260	-.4770	-.2635						.2176	
156.200						.0426					
157.900					-.0906						
159.500	-.6239										
180.000	-.6277	-.5345	-.4864	-.2587	-.0957	.0340	.1229	.1780	.2086	.2321	

RN/L ( 1 ) = 10.023 ALPHA ( 5 ) = 6.001 BETA = .00000 MACH = .19955 Q(PSF) = 440.81

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB		.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI											
.000			-.2774	-.2631	-.1490	-.0636	.0213	.0938	.1693	.2138	.2421
24.000								.0926			
27.800	-.1958										
28.700			-.2370								
29.400				-.1503							
30.400									.1696		
31.300					-.0607						
33.800						.0150					
41.000								.0806			
44.800				-.1789					.1688	.2178	

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK

(RJPC19)

RN/L ( 1 ) = 10.023 ALPHA ( 5 ) = 6.001

SECTION ( 1 )	TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
50.100	-.3155	-.3007	-.3207	-.1568	-.0746				.2177		
52.900						-.0009					
64.000							.0169				
67.200	-.4440										
71.500								.1233			
72.200					-.2234						
75.900						-.0974					
82.800							.1281				
92.200							.1375				
93.000	-.5081										
93.500								.1874			
94.000				-.3054							
99.100						.0085					
101.400	-.5016		-.4826	-.4749	-.3367				.2209		
103.400	-.4782										
105.900					-.1974						
106.100							.1331				
115.600	-.4687	-.5059	-.5952	-.3756					.2197		
117.600					-.0899						
119.000						.0534					
120.500							.1386				
124.400								.1847			
133.100					-.0528						
133.500						.0612					
133.800	-.5722	-.5247	-.5510	-.2700					.2227		
134.000							.1337				
142.500							.1353				
147.300						.0691					
148.100					-.0468						
149.100	-.5538	-.5417	-.4785	-.2531					.2203		
156.200						.0496					
157.900					-.0808						
159.500	-.6501										
180.000	-.6711	-.4858	-.3979	-.2396	-.0819	.0423	.1351	.1934	.2246	.2421	

LARC LTPT 229(LAB1) JBEVRTC4+SPDBRK

(RJPC20) ( 11 MAR 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = .000 AILRON = .000  
 SPDBRK = 25.000 MACH = .200

RN/L ( 1 ) = 6.012 ALPHA ( 1 ) = -1.984 BETA = .00000 MACH = .30061 Q(PSF) = 406.52

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2740	-.2518	-.1117	-.0115	.0714	.1402	.1894	.2244	.2332
24.000							.1389			
27.800	-.1966									
28.700			-.2143							
29.400				-.1151						
30.400								.1925		
31.300					-.0186					
33.800						.0668				
41.000							.1351			
44.800				-.1493				.1934	.2228	
50.100	-.3994	-.3552	-.3052	-.1404	-.0370				.2220	
52.900						.0481				
64.000							.0549			
67.200	-.4266									
71.500								.1573		
72.200					-.1930					
75.900						-.0556				
82.800							.1513			
92.200							.1504			
93.000	-.4594									
93.500								.1978		
94.000				-.2709						
99.100						.0388				
101.400	-.4447		-.4394	-.4465	-.2992				.2083	
103.400	-.4311									
105.900					-.1156					
106.100							.1420			
115.600	-.4201	-.4490	-.5202	-.2841					.2202	
117.600					-.0763					
119.000						.0588				
120.500							.1226			
124.400								.1735		
133.100					-.0780					
133.500						.0585				
133.800	-.4970	-.4782	-.5600	-.2985					.2216	
134.000							.1163			
142.500							.1193			
147.300						.0276				

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WJEVERTC4+SPDBRK

(RJPC20)

RN/L ( 1 ) = 6.012 ALPHA ( 1 ) = -1.984

SECTION ( 1 ) TAIL CONE DEPENDENT VARIABLE: CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
148.100										
149.100	-.4855	-.4984	-.5042	-.3273					.2219	
156.200						-.0090				
157.900						-.1508				
159.500	-.5794									
180.000	-.5987	-.5115	-.4783	-.3288	-.1755	-.0367	0957	.1907	.2247	.2332

RN/L ( 1 ) = 6.009 ALPHA ( 2 ) = -.030 BETA = .00000 MACH = .30061 Q(PSF) = 406.52

SECTION ( 1 ) TAIL CONE DEPENDENT VARIABLE: CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2727	-.2547	-.1164	-.0193	.0629	.1324	.1850	.2204	.2310
24.000							.1311			
27.800	-.1964									
28.700			-.2236							
29.400				-.1195						
30.400								.1886		
31.300					-.0269					
33.800						.0580				
41.000							1240			
44.800				-.1527				.1894	.2199	
50.100	-.3607	-.3467	-.3082	-.1425	-.0448				.2191	
52.900						.0389				
64.000							.0478			
67.200	-.4326									
71.500								.1552		
72.200					-.2017					
75.900						-.0653				
82.800							.1459			
92.200							.1486			
93.000	-.4690									
93.500								.1967		
94.000				-.2800						
99.100						.0307				
101.400	-.4609		-.4519	-.4574	-.3131				.2041	
103.400	-.4415									
105.900					-.1319					
106.100							.1430			
115.600	-.4288	-.4585	-.5324	-.3002					.2167	
117.600					-.0769					
119.000						.0540				
120.500							.1288			

LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK

(RJPC20)

RN/L ( 1 ) = 6.009 ALPHA ( 2 ) = -.030

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

124.400								.1678		
133.100					-.0693					
133.500						.0597				
133.800	-.5137	-.4906	-.5585	-.2904					.2193	
134.000							.1170			
142.500							.1246			
147.300						.0388				
148.100					-.0961					
149.100	-.5075	-.5139	-.5053	-.3111					.2199	
156.200						.0121				
157.900					-.1327					
159.500	-.6010									
180.000	-.6121	-.5249	-.4539	-.3142	-.1503	-.0108	.1045	.1830	.2196	.2310

RN/L ( 1 ) = 6.019 ALPHA ( 3 ) = 1.943 BETA = .00000 MACH = .30061 Q(PSF) = 406.52

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.2762	-.2588	-.1280	-.0323	.0479	.1173	.1756	.2119	.2251
24.000							.1162			
27.800	-.1986									
28.700			-.2345							
29.400				-.1306						
30.400								.1786		
31.300					-.0386					
33.800						.0438				
41.000							.1076			
44.800				-.1582				.1792	.2106	
50.100	-.3370	-.3283	-.3150	-.1456	-.0560				.2091	
52.900						.0244				
64.000							.0370			
67.200	-.4404									
71.500								.1387		
72.200					-.2125					
75.900						-.0783				
82.800							.1348			
92.200							.1398			
93.000	-.4842									
93.500								.1874		
94.000				-.2894						
99.100						.0230				
101.400	-.4734		-.4630	-.4663	-.3192				.2003	

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WSEVRTC4+SPDBRK

(RJPC20)

RN/L ( 1 ) = 6.019 ALPHA ( 3 ) = 1.943

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
103.400	-.4520										
105.900					-.1511						
106.100							1372				
115.600	-.4389	-.4705	-.5483	-.3171					.2060		
117.600					-.0781						
119.000						.0519					
120.500							1334				
124.400								.1650			
133.100					-.0606						
133.500						.0632					
133.800	-.5336	-.5034	-.5560	-.2795					.2067		
134.000							.1212				
142.500							.1246				
147.300						.0530					
148.100					-.0719						
149.100	-.5282	-.5273	-.4980	-.2886					.2084		
156.200						.0313					
157.900					-.1060						
159.500	-.6257										
160.000	-.6301	-.4946	-.4149	-.2627	-.1093	.0219	.1152	.1706	.2105	.2251	

RN/L ( 1 ) = 6.011 ALPHA ( 4 ) = 4.219 BETA = .00000 MACH = .30061 Q(PSF) = 406.52

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.2765	-.2583	-.1410	-.0481	.0330	.1042	.1680	.2064	.2233	
24.000							.1026				
27.800	-.1942										
28.700			-.2410								
29.400				-.1407							
30.400								.1719			
31.300					-.0504						
33.800						.0285					
41.000							.0926				
44.800				-.1663				.1717	.2067		
50.100	-.3129	-.3049	-.3187	-.1517	-.0683				.2067		
52.900						.0103					
54.000							.0249				
67.200	-.4479										
71.500								.1297			
72.200					-.2201						
75.900						-.0898					

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TABULATED SOURCE DATA - LA81

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LARC LTPT.229(LA81) W3EVRTC4+SPDBRK

(RJPC20)

RN/L ( 1 ) = 6.011 ALPHA ( 4 ) = 4.219

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
82.800							.1245			
92.200							.1335			
93.000	-.4931									
93.500								.1838		
94.000				-.2958						
99.100						.0161				
101.400	-.4830		-.4714	-.4684	-.3219				.1997	
103.400	-.4614									
105.900					-.1721					
106.100							1302			
115.600	-.4527	-.4839	-.5704	-.3427					.2027	
117.600					-.0815					
119.000						.0537				
120.500							1369			
124.400								.1695		
133.100					-.0515					
133.500						.0633				
133.800	-.5506	-.5135	-.5492	-.2670					.2071	
134.000							.1254			
142.500							.1264			
147.300						.0605				
148.100					-.0486					
149.100	-.5430	-.5353	-.4876	-.2608					.2068	
156.200						.0461				
157.900					-.0856					
159.500	-.6408									
180.000	-.6681	-.5019	-.4070	-.2452	-.0852	.0428	.1240	.1736	.2110	.2233

RN/L ( 1 ) = 6.007 ALPHA ( 5 ) = 6.082 BETA = .00000 MACH = .30061 Q(PSF) = 406.52

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2899	-.2692	-.1576	-.0661	.0154	.0883	.1578	.2065	.2251
24.000							.0860			
27.800	-.2087									
28.700			-.2525							
29.400				-.1554						
30.400								.1623		
31.300					-.0665					
33.800						.0115				
41.000							.0753			
44.800				-.1816				.1632	.2079	

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) W3EVRTC4+SPDBRK

(RJPC20)

RN/L ( 1 ) = 6.007 ALPHA ( 5 ) = 6.082

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
50.100	-.3222	-.3114	-.3303	-.1641	-.0823				.2074	
52.900						-.0069				
64.000							.0134			
67.200	-.4675									
71.500								.1198		
72.200					-.2267					
75.900						-.0996				
82.800							.1143			
92.200							.1211			
93.000	-.5160									
93.500								.1749		
94.000				-.3044						
99.100						.0120				
101.400	-.5051		-.4912	-.4832	-.3351				.2029	
103.400	-.4821									
105.900					-.1869					
106.100							.1224			
115.600	-.4769	-.5079	-.5980	-.3705					.2064	
117.600					-.0932					
119.000						.0459				
120.500							.1269			
124.400								.1723		
133.100					-.0545					
133.500						.0524				
133.800	-.5711	-.5300	-.5570	-.2698					.2096	
134.000							.1229			
142.500							.1219			
147.300						.0540				
148.100					-.0453					
149.100	-.5640	-.5490	-.4881	-.2507					.2090	
156.200						.0428				
157.900					-.0846					
159.500	-.6591									
180.000	-.7078	-.5151	-.3994	-.2373	-.0807	.0401	.1241	.1774	.2089	.2251

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) W8EVRTC4+SPDBRK

(RJPC20)

RN/L (1) = 6.009 ALPHA (6) = 8.106 BETA = .00000 MACH = .30061 Q(PSF) = 406.52

SECTION (1) TAIL CONE

DEPENDENT VARIABLE: CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3165	-.3022	-.1864	-.0934	-.0093	.0635	.1392	.1893	.2074
24.000							.0644			
27.800	-.2319									
28.700			-.2820							
29.400				-.1804						
30.400								.1377		
31.300					-.0889					
33.800						-.0122				
41.000							.0444			
44.800				-.2039				.1373	.1839	
50.100	-.3421	-.3320	-.3482	-.1869	-.1028				.1876	
52.900						-.0279				
64.000							-.0061			
67.200	-.5126									
71.500								.1086		
72.200					-.2435					
75.900						-.1203				
82.800							.1013			
92.200							.1088			
93.000	-.5685									
93.500								.1631		
94.000				-.3331						
99.100						-.0097				
101.400	-.5904		-.5594	-.5384	-.3648				.1902	
103.400	-.5318									
105.900					-.2068					
106.100							.1085			
115.600	-.5392	-.5666	-.6485	-.4049					.1948	
117.600					-.1064					
119.000						.0414				
120.500							.1055			
124.400								.1544		
133.100					-.0740					
133.500						.0346				
133.800	-.6122	-.5676	-.5742	-.2894					.1923	
134.000							.1024			
142.500							.1074			
147.300						.0187				
148.100					-.0853					
149.100	-.5988	-.5795	-.4961	-.2470					.1945	
156.200						.0222				
157.900					-.1155					
159.500	-.7288									
180.000	-.8860	-.6249	-.4096	-.2536	-.1003	.0162	.1038	.1619	.1935	.2074

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) W3EVRTC4 + SPDBRK

(RJPC21) ( 06 MAY 76 )

## REFERENCE DATA

## PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

ELEVON = -10.000 AILRON = .000  
 SPDBRK = 25.000 MACH = .200

RN/L ( 1 ) = 2.009 ALPHA ( 1 ) = -1.943 BETA = .70000 MACH = .19994 Q(PSF) = 88.019

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3042	-.2510	-.1357	-.0244	.0611	.1271	.1647	.1820	.1808
24.000							.1257			
27.800	-.1932									
28.700			-.2679							
29.400				-.1273						
30.400								.1638		
31.300					-.0275					
33.800						.0580				
41.000							1183			
44.800				-.1457				.1637	.1824	
50.100	-.2761	-.2813	-.2784	-.1407	-.0433				.1823	
52.900						.0448				
64.000							.0517			
67.200	-.3417									
71.500								.1257		
72.200					-.1703					
75.900						-.0745				
82.800							.1326			
92.200							.1380			
93.000	-.3820									
93.500								.1774		
94.000				-.2235						
99.100						.0536				
101.400	-.3680		-.3731	-.3796	-.2426				.1846	
103.400	-.3526									
105.900					-.0947					
106.100							.1415			
115.600	-.3427	-.3659	-.4391	-.2388					.1893	
117.600					-.0404					
119.000						.0735				
120.500							.1342			
124.400								.1651		
133.100					-.0323					
133.500						.0778				
133.800	-.4216	-.4166	-.4772	-.2289					.1945	
134.000							.1289			
142.500							.1341			
147.300							.0681			

LARC LTPT 229(LAB1) WB VRTC4 + SPDBRK

(RJPC21)

RN/L ( 1 ) = 2.009 ALPHA ( 1 ) = -1.943

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

148.100										
149.100	-.4208	-.4300	-.4408	-.2670	-.0577				.1956	
156.200						.0437				
157.900					-.0957					
159.500	-.4996									
180.000	-.4295	-.3965	-.3764	-.2449	-.1053	.0206	.1249	.1900	.1976	.1808

RN/L ( 1 ) = 2.013 ALPHA ( 2 ) = -.010 BETA = .00000 MACH = .19994 Q(PSF) = 88.019

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.3044	-.2579	-.1421	-.0316	.0562	.1245	.1611	.1764	.1809
24.000							.1213			
27.800	-.1943									
28.700			-.2655							
29.400				-.1352						
30.400								.1594		
31.300					-.0359					
33.800						.0514				
41.000							.1135			
44.800				-.1554				.1584	.1769	
50.100	-.2729	-.2795	-.2792	-.1449	-.0513				.1776	
52.900						.0379				
64.000							.0431			
67.200	-.3507									
71.500								.1221		
72.200					-.1798					
75.900						-.0902				
82.800							.1268			
92.200							.1325			
93.000	-.3942									
93.500								.1750		
94.000				-.2346						
99.100						.0490				
101.400	-.3823		-.3874	-.3951	-.2565				.1812	
103.400	-.3638									
105.900					-.1136					
106.100							.1369			
115.600	-.3577	-.3792	-.4598	-.2600					.1852	
117.600					-.0480					
119.000						.0671				
120.500							.1383			

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4 + SPDBRK

(RJPC21)

RN/L ( 1 ) = 2.013 ALPHA ( 2 ) = -.010

SECTION ( 1 ) TAIL CONE				DEPENDENT VARIABLE CP						
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
124.400								.1675		
133.100					-.0317					
133.500						.0752				
133.800	-.4407	-.4302	-.4797	-.2253					.1895	
134.000							.293			
142.500							.351			
147.300						.0730				
148.100					-.0441					
149.100	-.4387	-.4442	-.4403	-.2539					.1906	
156.200						.0557				
157.900					-.0781					
159.500	-.5161									
180.000	-.4542	-.4078	-.3697	-.2309	-.0882	.0364	.302	.1847	.1921	.1809

RN/L ( 1 ) = 2.018 ALPHA ( 3 ) = 2.155 BETA = .00000 MACH = .19994 Q(PSE) = 88.019

SECTION ( 1 ) TAIL CONE				DEPENDENT VARIABLE CP						
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3060	-.2691	-.1527	-.0453	.0419	.148	.1632	.1849	.1896
24.000							.118			
27.800	-.1950									
28.700			-.2670							
29.400				-.1441						
30.400								.1623		
31.300					-.0472					
33.800						.0386				
41.000							.1019			
44.800				-.1649				.1608	.1846	
50.100	-.2657	-.2743	-.2795	-.1519	-.0628				.1836	
52.900						.0231				
64.000							.7318			
67.200	-.3593									
71.500								.1140		
72.200					-.1930					
75.900						-.1114				
82.800							.1192			
92.200							.257			
93.000	-.4085									
93.500								.1698		
94.000				-.2445						
99.100						.0431				
101.400	-.3945		-.3977	-.4012	-.2651				.1888	

LARC LTPT 229(LA81) WBEVRTC4 + SPDBRK

(RJPC21)

RN/L ( 1) = 2.018 ALPHA ( 3) = 2.155

SECTION ( 1) TAIL CONE		DEPENDENT VARIABLE CP								
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
103.400	-.3773									
105.900					-.1321					
106.100							.1304			
115.600	-.3755	-.3976	-.4838	-.2844					.1834	
117.600					-.0550					
119.000						.0617				
120.500							.384			
124.400								.1697		
133.100					-.0277					
133.500						.0706				
133.800	-.4606	-.4439	-.4802	-.2199					.1888	
134.000							.1319			
142.500							.349			
147.300						.0765				
148.100					-.0292					
149.100	-.4564	-.4541	-.4359	-.2351					.1920	
156.200						.0657				
157.900					-.0599					
159.500	-.5288									
180.000	-.4754	-.4251	-.3711	-.2186	-.0696	.0527	.1338	.1777	.1938	.1896

RN/L ( 1) = 2.017 ALPHA ( 4) = 4.068 BETA = .00000 MACH = .19994 Q(PSF) = 88.019

SECTION ( 1) TAIL CONE		DEPENDENT VARIABLE CP								
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3066	-.2752	-.1631	-.0578	.0280	.031	.1615	.1957	.1995
24.000							.1004			
27.800	-.1958									
28.700		-.2764								
29.400			-.1538							
30.400								.1598		
31.300					-.0599					
33.800						.0254				
41.000							.0890			
44.800				-.1720				.1578	.1941	
50.100	-.2635	-.2708	-.2815	-.1578	-.0724				.1934	
52.900						.0105				
64.000							.0203			
67.200	-.3659									
71.500								.1058		
72.200					-.1980					
75.900						-.1238				

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBI'VRTC4 + SPOBRK

(RJPC21)

RN/L ( 1 ) = 2.017 ALPHA ( 4 ) = 4.068

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB.	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
82.800							.145			
92.200							.174			
93.000	-.4183									
93.500								.1715		
94.000				-.2504						
99.100						.0386				
101.400	-.4034		-.4055	-.4044	-.2691				.1933	
103.400	-.3859									
105.900					-.1443					
106.100							.258			
115.600	-.3919	-.4146	-.5062	-.3088					.1860	
117.600					-.0623					
119.000						.0568				
120.500							.345			
124.400								.1731		
133.100					-.0260					
133.500						.0635				
133.800	-.4793	-.4582	-.4816	-.2158					.1911	
134.000							.1330			
142.500							.1324			
147.300						.0781				
148.100					-.0169					
149.100	-.4710	-.4634	-.4318	-.2174					.1932	
156.200						.0706				
157.900					-.0447					
159.500	-.5386									
180.000	-.5001	-.4328	-.3643	-.2085	-.0558	.0613	.348	.1751	.1962	.1995

RN/L ( 1 ) = 2.016 ALPHA ( 5 ) = 6.102 BETA = .00000 MACH = .19994 Q(PSF) = 88.019

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3094	-.2818	-.1728	-.0711	.0148	.3918	.1589	.2031	.2086
24.000							.7901			
27.800	-.1991									
28.700			-.2894							
29.400				-.1633						
30.400								.1558		
31.300					-.0717					
33.800						.0127				
41.000							.1789			
44.800				-.1797				.1531	.2029	

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBLVRTC4 + SPDBRK

(RJPC21)

RN/L ( 1 ) = 2.016 ALPHA ( 5 ) = 6.102

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
50.100	-.2621	-.2682	-.2835	-.1649	-.0815				.2010	
52.900					.0007					
64.000							.0067			
67.200	-.3714									
71.500								.0848		
72.200					-.2076					
75.900					-.1367					
82.800							.069			
92.200							.071			
93.000	-.4288									
93.500								.1846		
94.000				-.2577						
99.100					.0335					
101.400	-.4180		-.4177	-.4156	-.2782				.2030	
103.400	-.3966									
105.900					-.1559					
106.100							.1198			
115.600	-.4128	-.4367	-.5315	-.3353					.1953	
117.600					-.0713					
119.000					.0530					
120.500							.1231			
124.400								.1753		
133.100					-.0294					
133.500					.0534					
133.800	-.4991	-.4724	-.4848	-.2168					.1970	
134.000							.1360			
142.500							.1339			
147.300						.0791				
148.100					-.0132					
149.100	-.4872	-.4736	-.4280	-.2072					.2006	
156.200						.0730				
157.900					-.0380					
159.500	-.5514									
180.000	-.5105	-.4385	-.3682	-.2043	-.0490	.0651	.1392	.1900	.2026	.2086

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBI'VRTC4 + SPDBRK

(RJPC21)

RN/L ( 1 ) = 2.026 ALPHA ( 6 ) = 8.045 BETA = .00000 MACH = .19994 Q(PSF) = 88.019

SECTION ( 1 )	TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PH1											
.000		-.3345	-.3097	-.1971	-.0916	-.0017	.0786	.1500	.2044	.2096	
24.000							.771				
27.800	-.2259										
28.700			-.3179								
29.400				-.1850							
30.400								.1474			
31.300					-.0913						
33.800						-.0033					
41.000							.675				
44.800				-.1951				.1441	.2023		
50.100	-.2783	-.2850	-.2997	-.1821	-.0969				.1994		
52.900						-.0134					
64.000							-.0105				
67.200	-.4108										
71.500								.0646			
72.200					-.2246						
75.900						-.1580					
82.800							.0951				
92.200							.0946				
93.000	-.4856										
93.500								.1899			
94.000				-.2719							
99.100						.0256					
101.400	-.4727		-.4846	-.4546	-.3036				.2112		
103.400	-.4451										
105.900					-.1706						
106.100							.055				
115.600	-.4604	-.4815	-.5718	-.3654					.2034		
117.600					-.0882						
119.000						.0433					
120.500							.1084				
124.400								.1762			
133.100					-.0474						
133.500						.0406					
133.800	-.5328	-.5022	-.5021	-.2392					.2051		
134.000							.1264				
142.500							.1248				
147.300						.0674					
148.100					-.0293						
149.100	-.5153	-.4975	-.4425	-.2184					.2056		
156.200						.0608					
157.900					-.0505						
159.500	-.5796										
180.000	-.5194	-.4322	-.3793	-.2170	-.0627	.0525	.1317	.1818	.2054	.2096	



LARC LTPT 229(LA81) WBFVRTC4.+ SPDBRK

(RJPC21)

RN/L ( 1 ) = 2.025 ALPHA ( 7 ) = 10.079 BETA = .0000 MACH = .19994 Q(PSF) = 88.019

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3494	-.3262	-.2106	-.1035	-.0131	.0690	.1424	.2049	.2129
24.000							.1676			
27.800	-.2411									
28.700			-.3288							
29.400				-.1974						
30.400								.1393		
31.300					-.1019					
33.800						-.0142				
41.000							.0588			
44.800				-.2028				.1355	.2031	
50.100	-.2820	-.2897	-.3030	-.1899	-.1036				.2000	
52.900						-.0231				
64.000							-.0336			
67.200	-.4416									
71.500								.0365		
72.200					-.2368					
75.900						-.1773				
82.800							.0888			
92.200							.0843			
93.000	-.5326									
93.500								.1957		
94.000				-.2862						
99.100						.0165				
101.400	-.5205		-.5087	-.4896	-.3241				.2197	
103.400	-.4944									
105.900					-.1807					
106.100							.0020			
115.600	-.5029	-.5204	-.6091	-.3895					.2123	
117.600					-.0944					
119.000						.0363				
120.500							.1022			
124.400								.1815		
133.100					-.0614					
133.500						.0310				
133.800	-.5628	-.5294	-.5212	-.2538					.2126	
134.000							.1169			
142.500							.1172			
147.300						.0531				
148.100					-.0481					
149.100	-.5362	-.5188	-.4566	-.2368					.2112	
156.200						.0433				
157.900					-.0717					
159.500	-.6023									
180.000	-.5541	-.4394	-.3980	-.2380	-.0864	.0291	.219	.1876	.2101	.2129

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBE' RTC4 + SPOBRK

(RJPC21)

RN/L ( 1 ) = 2.021 ALPHA ( 8 ) = 12.163 BETA = .00000 MACH = .19994 Q(PSF) = 88.019

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3620	-.3424	-.2233	-.1181	-.0293	.0489	.1230	.1988	.2131
24.000							.0479			
27.800	-.2590									
28.700			-.3348							
29.400				-.2090						
30.400								.1206		
31.300					-.1157					
33.800						-.0313				
41.000							.0.87			
44.800				-.2048				.1177	.1971	
50.100	-.2866	-.2937	-.2956	-.1912	-.1092				.1925	
52.900						-.0356				
64.000							-.0068			
67.200	-.4746									
71.500								.0168		
72.200					-.2569					
75.900						-.2118				
82.800							.0068			
92.200							.0026			
93.000	-.5918									
93.500								.1669		
94.000				-.3179						
99.100						-.0059				
101.400	-.5918		-.5735	-.5474	-.3656				.2146	
103.400	-.5546									
105.900					-.1939					
106.100							.0787			
115.600	-.5586	-.5716	-.6576	-.4194					.2091	
117.600					-.0986					
119.000						.0138				
120.500							.0313			
124.400								.1687		
133.100					-.0804					
133.500						.0133				
133.800	-.6056	-.5665	-.5523	-.2745					.2062	
134.000							.0376			
142.500							.0346			
147.300						.0179				
148.100					-.0855					
149.100	-.5690	-.5477	-.4870	-.2735					.2047	
156.200						.0048				
157.900					-.1143					
159.500	-.6398									
180.000	-.6113	-.4529	-.4312	-.2758	-.1255	-.0104	.0925	.1791	.2057	.2131

LARC LTPT 229(LAB1) WBE\RTCH + SPOBRK .

(RJPC21)

RN/L (1) = . 2.025 ALPHA (9) = 14.167 BETA = .00100 MACH = .19994 Q(PSF) = 88.019

SECTION (1) TAIL CONE

DEPENDENT VARIABLE (P

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3678	-.3565	-.2359	-.1360	-.0530	.0119	.0992	.1874	.2101
24.000							.0197			
27.800	-.2748									
28.700			-.3351							
29.400				-.2218						
30.400								.0996		
31.300					-.1332					
33.800						-.0556				
41.000							.0132			
44.800				-.2150				.0966	.1864	
50.100	-.2810	-.2935	-.2949	-.2015	-.1275				.1822	
52.900						-.0600				
64.000							-.0106			
67.200	-.5191									
71.500								-.0034		
72.200					-.2677					
75.900						-.2273				
82.800							.0717			
92.200							.0627			
93.000	-.6733									
93.500								.1476		
94.000				-.2514						
99.100						-.0235				
101.400	-.6669		-.6447	-.6122	-.4104				.1965	
103.400	-.6364									
105.900					-.2092					
106.100							.0177			
115.600	-.6258	-.6337	-.7179	-.4618					.1976	
117.600					-.1277					
119.000						-.0150				
120.500							.0420			
124.400								.1479		
133.100					-.1145					
133.500						-.0208				
133.800	-.6598	-.6152	-.6006	-.3168					.1941	
134.000							.0682			
142.500							.0719			
147.300						-.0117				
148.100					-.1328					
149.100	-.6125	-.5932	-.5413	-.3375					.1942	
156.200						-.0378				
157.900					-.1683					
159.500	-.6763									
180.000	-.6630	-.4854	-.4727	-.3239	-.1742	-.0507	.0865	.1667	.1959	.2101

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4 + SPDBRK

(RJPC21)

RN/L (1) = 2.024 ALPHA (10) = 16.100 BETA = .00100 MACH = .19994 Q(PSF) = 88.019

SECTION (1) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2.00	1.2490	1.2800	1.2870
PHI										
.000		-.3758	-.3691	-.2595	-.1654	-.0869	-.0106	.0737	.1667	.1976
24.000							-.0134			
27.800	-.2839									
28.700			-.3499							
29.400				-.2440						
30.400								.0758		
31.300					-.1619					
33.800						-.0915				
41.000							-.0199			
44.800				-.2437				.0710	.1659	
50.100	-.2786	-.2938	-.3128	-.2283	-.1603				.1632	
52.900						-.0963				
64.000							-.1190			
67.200	-.5132									
71.500								-.0204		
72.200					-.2794					
75.900						-.2405				
82.800							.0158			
92.200							.0331			
93.000	-.7074									
93.500								.1256		
94.000				-.3803						
99.100						-.0619				
101.400	-.7204		-.6899	-.6310	-.4277				.1680	
103.400	-.6900									
105.900					-.2490					
106.100							.0109			
115.600	-.6847	-.6953	-.7755	-.5018					.1732	
117.600					-.1868					
119.000						-.0532				
120.500							.0355			
124.400								.1277		
133.100					-.1763					
133.500						-.0550				
133.800	-.7196	-.6686	-.6582	-.3673					.1772	
134.000							.0157			
142.500							.0187			
147.300						-.0516				
148.100					-.1855					
149.100	-.6882	-.6712	-.6251	-.4230					.1763	
156.200						-.0854				
157.900					-.2309					
159.500	-.7287									
180.000	-.7265	-.5414	-.5281	-.3831	-.2300	-.0956	.0121	.1490	.1787	.1976

LARC LTPT 229(LA81) WBE'RTCH + SPDBRK

(RJPC21)

RN/L (1) = 2.030 ALPHA (11) = 18.195 BETA = .00100 MACH = .19994 Q(PSF) = 88.019

SECTION (1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2 00	1.2490	1.2800	1.2870
PHI										
.000		-.4010	-.4000	-.2977	-.2120	-.1329	-.0508	.0442	.1416	.1731
24.000							-.0108			
27.800	-.3106									
28.700			-.3846							
29.400				-.2879						
30.400								.0465		
31.300					-.2048					
33.800						-.1336				
41.000							-.0130			
44.800				-.2895				.0399	.1374	
50.100	-.2920	-.3141	-.3576	-.2748	-.2139				.1355	
52.900						-.1495				
64.000							-.1606			
67.200	-.5496									
71.500								-.0631		
72.200					-.3051					
75.900						-.2797				
82.800							-.0133			
92.200							-.0234			
93.000	-.7499									
93.500								.0727		
94.000				-.4244						
99.100						-.1328				
101.400	-.7540		-.7183	-.8667	-.4890				.1293	
103.400	-.7333									
105.900					-.3181					
106.100							-.0191			
115.600	-.7433	-.7421	-.8183	-.5749					.1378	
117.600					-.2741					
119.000						-.1357				
120.500							-.0182			
124.400								.0900		
133.100					-.2565					
133.500						-.1495				
133.800	-.7788	-.7288	-.7078	-.4199					.1434	
134.000							.0020			
142.500							.0078			
147.300						-.1039				
148.100					-.2303					
149.100	-.7470	-.7271	-.6943	-.4729					.1479	
156.200						-.1341				
157.900					-.2931					
159.500	-.7777									
180.000	-.7895	-.6027	-.5909	-.4484	-.2955	-.1486	.0104	.1135	.1500	.1731

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBE'RTCH + SPDBRK

(RJPC22) ( 06 MAY 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = -10.000 AILRON = .000  
 SPDBRK = 25.000 MACH = .200

RN/L ( 1 ) = 4.010 ALPHA ( 1 ) = -2.054 BETA = .0000 MACH = .20057 Q(PSF) = 175.23

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE (P

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3118	-.2635	-.1417	-.0299	.0584	.1287	.1776	.2105	.2127
24.000							.1160			
27.800	-.1996									
28.700			-.2695							
29.400				-.1295						
30.400								.1778		
31.300					-.0291					
33.800						.0567				
41.000							.1197			
44.800				-.1528				.1783	.2111	
50.100	-.2845	-.2834	-.2929	-.1461	-.0466				.2107	
52.900						.0421				
64.000							.0491			
67.200	-.3473									
71.500								.1335		
72.200					-.1759					
75.900						-.0886				
82.800							.1411			
92.200							.1497			
93.000	-.3883									
93.500								.1927		
94.000				-.2312						
99.100						.0484				
101.400	-.3753		-.3769	-.3864	-.2560				.2008	
103.400	-.3580									
105.900					-.1022					
106.100							.1541			
115.600	-.3462	-.3753	-.4523	-.2457					.2127	
117.600					-.0423					
119.000						.0747				
120.500							.1440			
124.400								.1769		
133.100					-.0355					
133.500						.0816				
133.800	-.4305	-.4152	-.4874	-.2386					.2149	
134.000							.1373			
142.500							.1126			
147.300						.0713				

LARC LTPT 229(LA81) WBEVRTC4 + SPDBRK

(RJPC22)

RN/L (1) = 4.010 ALPHA (1) = -2.054

SECTION (1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.200 1.2490 1.2800 1.2870

PHI

148.100										
149.100	-.4266	-.4386	-.4448	-.2751	-.0662				.2172	
156.200						.0392				
157.900					-.0996					
159.500	-.5128									
180.000	-.4253	-.3949	-.3690	-.2473	-.1120	.0194	.1339	.2051	.2173	.2127

RN/L (1) = 4.005 ALPHA (2) = .050 BETA = .00000 MACH = .20057 Q(PSF) = 175.23

SECTION (1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.3094	-.2658	-.1452	-.0360	.0511	.1218	.1735	.2041	.2068
24.000							.1203			
27.800	-.1998									
28.700			-.2563							
29.400				-.1358						
30.400								.1706		
31.300					-.0363					
33.800						.0495				
41.000							.1109			
44.800				-.1619				.1711	.2023	
50.100	-.2873	-.2867	-.2927	-.1478	-.0533				.2031	
52.900						.0342				
64.000							.0369			
67.200	-.3598									
71.500								.1277		
72.200					-.1851					
75.900						-.1104				
82.800							.1360			
92.200							.1414			
93.000	-.4029									
93.500								.1881		
94.000				-.2439						
99.100						.0411				
101.400	-.3933		-.3938	-.4023	-.2704				.1986	
103.400	-.3709									
105.900					-.1245					
106.100							.1455			
115.600	-.3634	-.3938	-.4747	-.2714					.2012	
117.600					-.0514					
119.000						.0682				
120.500							.1171			

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC4 + SPDBRK

(RJPC22)

RN/L ( 1 ) = 4.005 ALPHA ( 2 ) = .050

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE (P									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
124.400								.1780			
133.100					-.0355						
133.500						.0790					
133.800	-.4527	-.4335	-.4911	-.2348					.2046		
134.000							.1581				
142.500							.1143				
147.300						.0765					
148.100					-.0499						
149.100	-.4482	-.4535	-.4464	-.2598					.2078		
156.200						.0544					
157.900					-.0837						
159.500	-.5328										
180.000	-.4631	-.4104	-.3669	-.2348	-.0921	.0352	.1374	.1977	.2083	.2068	

RN/L ( 1 ) = 4.012 ALPHA ( 3 ) = 1.994 BETA = .00100 MACH = .20057 Q(PSF) = 175.23

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE (P									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.3080	-.2780	-.1523	-.0466	.0405	.1138	.1707	.2112	.2146	
24.000							.1118				
27.800	-.2022										
28.700			-.2611								
29.400				-.1440							
30.400								.1686			
31.300					-.0473						
33.800						.0385					
41.000							.0797				
44.800				-.1725				.1670	.2114		
50.100	-.2778	-.2791	-.2892	-.1544	-.0626				.2085		
52.900						.0197					
64.000							.0229				
67.200	-.3662										
71.500								.1200			
72.200					-.1920						
75.900						-.1294					
82.800							.1287				
92.200							.1348				
93.000	-.4156										
93.500								.1788			
94.000				-.2495							
99.100						.0391					
101.400	-.4036		-.4017	-.4070	-.2755				.2057		

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DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVF.TC4 + SPDBRK

(RJPC22)

RN/L ( 1) = 4.012 ALPHA ( 3) = 1.994

SECTION ( 1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
103.400	-.3816									
105.900					-.1402					
106.100							.1382			
115.600	-.3791	-.4084	-.4962	-.2943					.2045	
117.600					-.0568					
119.000						.0628				
120.500							.1487			
124.400								.1818		
133.100					-.0290					
133.500						.0767				
133.800	-.4684	-.4438	-.4894	-.2287					.2076	
134.000							.1411			
142.500							.1464			
147.300						.0811				
148.100					-.0330					
149.100	-.4635	-.4633	-.4404	-.2418					.2094	
156.200						.0676				
157.900					-.0640					
159.500	-.5442									
180.000	-.4859	-.4243	-.3719	-.2250	-.0734	.0534	.1433	.1927	.2091	.2146

RN/L ( 1) = 4.008 ALPHA ( 4) = 4.138 BETA = .00000 MACH = .20057 Q(PSF) = 175.23

SECTION ( 1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
.000		-.3041	-.2809	-.1649	-.0635	.0227	.0984	.1641	.2175	.2274
24.000							.0966			
27.800	-.2071									
28.700			-.2671							
29.400				-.1542						
30.400								.1612		
31.300					-.0606					
33.800						.0240				
41.000							.0847			
44.800				-.1760				.1601	.2137	
50.100	-.2967	-.2826	-.2874	-.1588	-.0731				.2144	
52.900						.0049				
64.000							.0098			
67.200	-.3727									
71.500								.1007		
72.200					-.2034					
75.900						-.1394				

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LIPT 229(LAB1) WBEVRTCH + SPDBRK

(RJPC22)

RN/L ( 1 ) = 4.008 ALPHA ( 4 ) = 4.138

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CF

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

82.800						.1213			
92.200						.1216			
93.000	-.4266								
93.500							.1858		
94.000			-.2566						
99.100						.0316			
101.400	-.4127		-.4123	-.4118	-.2805			.2118	
103.400	-.3939								
105.900					-.1574				
106.100							.1301		
115.600	-.3979	-.4297	-.5228	-.3221	-.0658			.2088	
117.600									
119.000						.0572			
120.500							.1434		
124.400							.1841		
133.100					-.0283				
133.500						.0675			
133.800	-.4915	-.4594	-.4903	-.2229				.2108	
134.000							.1434		
142.500							.1453		
147.300						.0843			
148.100					-.0185				
149.100	-.4818	-.4758	-.4362	-.2224				.2169	
156.200						.0743			
157.900					-.0453				
159.500	-.5539								
180.000	-.5054	-.4439	-.3670	-.2095	-.0563	.0661	.1457	.1892	.2134 .2274

RN/L ( 1 ) = 4.008 ALPHA ( 5 ) = 6.011 BETA = .00000 MACH = .20057 Q(PSF) = 175.23

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CF

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.3082	-.2737	-.1644	-.0745	.0107	.0851	.1520	.2101 .2273
24.000							.0859		
27.800	-.2040								
28.700			-.2770						
29.400				-.1591					
30.400								.1471	
31.300					-.0677				
33.800						.0128			
41.000							.0654		
44.800				-.1727				.1431 .2017	

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEV.TC4 + SPOBRK

(RJPC22)

RN/L ( 1 ) = 4.008 ALPHA ( 5 ) = 6.011

SECTION ( 1 )	TAIL CONE	DEPENDENT VARIABLE CF									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
50.100	-.2970	-.2752	-.2896	-.1577	-.0752				.2167		
52.900						-.0050					
64.000							-.0076				
67.200	-.3749										
71.500								.0823			
72.200					-.2100						
75.900						-.1489					
82.800							.1116				
92.200							.1149				
93.000	-.4347										
93.500								.1947			
94.000				-.2632							
99.100						.0279					
101.400	-.4259		-.4244	-.4224	-.2916				.2163		
103.400	-.4023										
105.900					-.1691						
106.100							.1273				
115.600	-.4187	-.4504	-.5480	-.3504					.2145		
117.600					-.0774						
119.000						.0529					
120.500							.1320				
124.400								.1871			
133.100					-.0319						
133.500						.0573					
133.800	-.5103	-.4738	-.4928	-.2243					.2162		
134.000							.1450				
142.500							.1451				
147.300						.0861					
148.100					-.0142						
149.100	-.4961	-.4830	-.4303	-.2110					.2157		
156.200						.0798					
157.900					-.0357						
159.500	-.5674										
180.000	-.5050	-.4356	-.3642	-.1988	-.0471	.0703	.1455	.1939	.2172	.2273	

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVPTC4 + SPDBRK

(RJPC22)

RN/L ( 1 ) = 4.019 ALPHA ( 6 ) = 8.005 BETA = .00000 MACH = .20057 Q(PSF) = 175.23

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE OF

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2110	1.2490	1.2800	1.2870
PHI										
.000		-.3197	-.2851	-.1878	-.0862	.0013	.0808	.1529	.2203	.2329
24.000							.0753			
27.800	-.2079									
28.700			-.3035							
29.400				-.1759						
30.400								.1496		
31.300					-.0833					
33.800						-.0002				
41.000							.0677			
44.800				-.2000				.1476	.2142	
50.100	-.2962	-.2764	-.2970	-.1751	-.0920				.2143	
52.900						-.0139				
64.000							-.0212			
67.200	-.3916									
71.500								.0472		
72.200					-.2232					
75.900						-.1693				
82.800							.1121			
92.200							.1142			
93.000	-.4614									
93.500								.2072		
94.000				-.2735						
99.100						.0189				
101.400	-.4641		-.4525	-.4463	-.3081				.2253	
103.400	-.4287									
105.900					-.1848					
106.100							.1193			
115.600	-.4571	-.4859	-.5820	-.3798					.2233	
117.600					-.0917					
119.000						.0472				
120.500							.1217			
124.400								.1905		
133.100					-.0458					
133.500						.0464				
133.800	-.5360	-.5000	-.5032	-.2413					.2234	
134.000							.1407			
142.500							.1435			
147.300						.0778				
148.100					-.0236					
149.100	-.5183	-.5038	-.4400	-.2160					.2243	
156.200						.0710				
157.900						-.0440				
159.500	-.5880									
180.000	-.5240	-.4248	-.3720	-.2121	-.0563	.0615	.1418	.1961	.2259	.2329

LARC LTPT 229(LAB1) WBEVI TC4 + SPDBRK

(RJPC22)

RN/L ( 1 ) = 4.023 ALPHA ( 7 ) = 10.039 BETA = .00010 MACH = .20057 Q(PSF) = 175.23

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2970
PHI										
.000		-.3312	-.2992	-.2039	-.1026	-.0113	.0710	.1450	.2187	.2376
24.000							.0676			
27.800	-.2197									
28.700			-.3208							
29.400				-.1899						
30.400								.1423		
31.300					-.0970					
33.800						-.0141				
41.000							.0500			
44.800				-.2114				.1412	.2138	
50.100	-.2976	-.2761	-.3069	-.1873	-.1065				.2109	
52.900						-.0242				
64.000							-.0565			
67.200	-.4308									
71.500								.0246		
72.200					-.2492					
75.900						-.2201				
82.800							.1111			
92.200							.1142			
93.000	-.5015									
93.500								.2015		
94.000				-.2931						
99.100						.0035				
101.400	-.5098		-.4993	-.4925	-.3388				.2291	
103.400	-.4647									
105.900					-.2043					
106.100							.1238			
115.600	-.5016	-.5352	-.6348	-.4212					.2276	
117.600					-.1067					
119.000						.0389				
120.500							.1130			
124.400								.1946		
133.100					-.0637					
133.500						.0268				
133.800	-.5716	-.5302	-.5240	-.2578					.2273	
134.000							.1234			
142.500							.1230			
147.300						.0624				
148.100					-.0487					
149.100	-.5424	-.5245	-.4538	-.2354					.2260	
156.200						.0515				
157.900					-.0691					
159.500	-.6218									
180.000	-.5839	-.4322	-.3947	-.2326	-.0790	.0373	.13 4	.1998	.2247	.2376

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVFITC4 + SPDBRK

(RJPC22)

RN/L ( 1 ) = 4.014 ALPHA ( 8 ) = 12.083 BETA = .00020 MACH = .20057 Q(PSF) = 175.23

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE OF

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3534	-.3199	-.2159	-.1168	-.0295	.0406	.1268	.2128	.2361
24.000							.0471			
27.800	-.2312									
28.700			-.3450							
29.400				-.2030						
30.400								.1275		
31.300					-.1121					
33.800						-.0313				
41.000							.0416			
44.800				-.2143				.1236	.2075	
50.100	-.3014	-.2724	-.3042	-.1921	-.1123				.2029	
52.900						-.0380				
64.000							-.0754			
67.200	-.4713									
71.500								.0056		
72.200					-.2927					
75.900						-.2514				
82.800							.0972			
92.200							.0982			
93.000	-.5887									
93.500								.1835		
94.000				-.3217						
99.100						-.0093				
101.400	-.5762		-.5632	-.5451	-.3804				.2189	
103.400	-.5497									
105.900					-.2147					
106.100							.1021			
115.600	-.5552	-.5839	-.6793	-.4440					.2232	
117.600					-.1103					
119.000						.0232				
120.500							.1012			
124.400								.1835		
133.100					-.0863					
133.500						.0186				
133.800	-.6074	-.5862	-.5526	-.2833					.2223	
134.000							.10 8			
142.500							.1070			
147.300						.0284				
148.100					-.0924					
149.100	-.5768	-.5581	-.4922	-.2841					.2204	
156.200						.0054				
157.900					-.1119					
159.500	-.6506									
180.000	-.5971	-.4672	-.4327	-.2760	-.1284	-.0087	.0935	.1885	.2215	.2361

LARC LTPT 229(LA81) WBEVTC4 + SPDBRK

(RJPC23) ( 06 MAY 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = -10.000 AILRON = .000  
 SPDBRK = 25.000 MACH = .200

RN/L ( 1 ) = 6.035 ALPHA ( 1 ) = -2.074 BETA = .00000 MACH = .19976 Q(PSF) = 265.77

## SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE C<sub>f</sub>

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3146	-.2805	-.1410	-.0320	.0561	.1263	.1836	.2262	.2430
24.000							.1267			
27.800	-.2053									
28.700			-.2590							
29.400				-.1283						
30.400								.1855		
31.300					-.0295					
33.800						.0551				
41.000							.1214			
44.800				-.1568				.1857	.2243	
50.100	-.3074	-.2942	-.2917	-.1450	-.0446				.2229	
52.900						.0409				
64.000							.0248			
67.200	-.3067									
71.500								.1235		
72.200					-.1842					
75.900						-.1345				
82.800							.1489			
92.200							.1550			
93.000	-.3983									
93.500								.2001		
94.000				-.2309						
99.100						.0459				
101.400	-.3878		-.3851	-.3953	-.2671				.2097	
103.400	-.3642									
105.900					-.1069					
106.100							.1569			
115.600	-.3536	-.3878	-.4649	-.2547					.2241	
117.600					-.0455					
119.000						.0727				
120.500							.1485			
124.400								.1843		
133.100					-.0415					
133.500						.0815				
133.800	-.4403	-.4229	-.4979	-.2495					.2275	
134.000							.1414			
142.500							.1414			
147.300						.0685				

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LA81) WBEVRTC4 + SPDBRK

(RJPC23)

RN/L ( 1 ) = 6.035 ALPHA ( 1 ) = -2.074

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
149.100					-.0756					
149.100	-.4344	-.4480	-.4500	-.2806					.2263	
156.200						.0332				
157.900					-.1050					
159.500	-.5237									
180.000	-.4332	-.4058	-.3801	-.2502	-.1142	.0114	.1321	.2126	.2299	.2430

RN/L ( 1 ) = 6.034 ALPHA ( 2 ) = .050 BETA = .00000 MACH = .19976 Q(PSF) = 265.77

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3137	-.2836	-.1483	-.0407	.0487	.1215	.1796	.2235	.2321
24.000							.1190			
27.800	-.2111									
28.700			-.2573							
29.400				-.1358						
30.400								.1811		
31.300					-.0383					
33.800						.0449				
41.000							.1101			
44.800				-.1701				.1812	.2236	
50.100	-.3070	-.2968	-.2916	-.1504	-.0545				.2222	
52.900						.0290				
64.000							.0081			
67.200	-.4009									
71.500								.1090		
72.200					-.1876					
75.900						-.1501				
82.800							.1441			
92.200							.1493			
93.000	-.4119									
93.500								.2015		
94.000				-.2431						
99.100						.0380				
101.400	-.4037		-.4008	-.4085	-.2806				.2113	
103.400	-.3796									
105.900					-.1299					
106.100							.1521			
115.600	-.3713	-.4043	-.4878	-.2798					.2193	
117.600					-.0544					
119.000						.0682				
120.500							.1521			

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LARC LTPT 229(LAB1) WBEVRIC4 + SPDBRK

(RJPC23)

RN/L ( 1 ) = 6.034 ALPHA ( 2 ) = .050

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

124.400							.1883		
133.100					-.0369				
133.500						.0818			
133.800	-.4612	-.4371	-.4984	-.2420				.2214	
134.000							.1447		
142.500							.1512		
147.300						.0766			
148.100					-.0551				
149.100	-.4565	-.4643	-.4499	-.2659				.2232	
156.200						.0510			
157.900					-.0877				
159.500	-.5425								
180.000	-.4527	-.4221	-.3749	-.2365	-.0952	.0314	.1416	.2089	.2254 .2321

RN/L ( 1 ) = 6.023 ALPHA ( 3 ) = 1.984 BETA = .00000 MACH = .19976 Q(PSF) = 265.77

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.3133	-.2816	-.1567	-.0525	.0368	.1122	.1742	.2226 .2335
24.000							.1112		
27.800	-.2096								
28.700			-.2708						
29.400				-.1459					
30.400								.1744	
31.300					-.0499				
33.800						.0342			
41.000							.0995		
44.800				-.1773				.1736	.2227
50.100	-.3062	-.2902	-.2878	-.1532	-.0640			.2207	
52.900						.0164			
64.000							-.0014		
67.200	-.4068								
71.500								.0975	
72.200					-.1932				
75.900						-.1552			
82.800							.1357		
92.200							.1369		
93.000	-.4252								
93.500								.2020	
94.000				-.2495					
99.100						.0328			
101.400	-.4153		-.4105	-.4141	-.2873				.2129

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC4 + SPDBRK

(RJPC23)

RN/L ( 1 ) = 6.023 ALPHA ( 3 ) = 1.984

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

103.400	-.3907									
105.900					-.1454					
106.100							.1415			
115.600	-.3857	-.4217	-.5093	-.3035					.2152	
117.600					-.0619					
119.000						.0632				
120.500							.1534			
124.400								.1904		
133.100					-.0334					
133.500						.0784				
133.800	-.4800	-.4504	-.4986	-.2385					.2180	
134.000							.1470			
142.500							.1523			
147.300						.0814				
148.100					-.0399					
149.100	-.4718	-.4736	-.4461	-.2489					.2207	
156.200						.0655				
157.900					-.0674					
159.500	-.5522									
180.000	-.4780	-.4307	-.3839	-.2306	-.0837	.0478	.1481	.2018	.2232	.2335

RN/L ( 1 ) = 6.016 ALPHA ( 4 ) = 3.967 BETA = .00000 MACH = .19976 Q(PSF) = 265.77

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.3111	-.2803	-.1664	-.0651	.0253	.1012	.1680	.2221	.2367
24.000							.0996			
27.800	-.2036									
28.700			-.2776							
29.400				-.1566						
30.400								.1653		
31.300					-.0609					
33.800						.0219				
41.000							.0854			
44.800				-.1857				.1653	.2218	
50.100	-.3130	-.2925	-.2902	-.1596	-.0729				.2229	
52.900						.0042				
64.000							-.0120			
67.200	-.4070									
71.500								.0821		
72.200					-.2026					
75.900						-.1565				

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4 + SPDBRK

(RJPC23)

RN/L ( 1 ) = 6.016 ALPHA ( 4 ) = 3.967

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

82.800						.1292			
92.200						.1311			
93.000	-.4349								
93.500							.2054		
94.000				-.2588					
99.100						.0246			
101.400	-.4229		-.4178	-.4196	-.2900			.2140	
103.400	-.3996								
105.900					-.1649				
106.100						.1346			
115.600	-.4046	-.4399	-.5337	-.3317				.2160	
117.600					-.0707				
119.000						.0586			
120.500						.1490			
124.400							.1887		
133.100					-.0312				
133.500						.0709			
133.800	-.5007	-.4639	-.4985	-.2316				.2202	
134.000						.1484			
142.500						.1511			
147.300						.0871			
148.100					-.0235				
149.100	-.4893	-.4826	-.4407	-.2286				.2235	
156.200						.0744			
157.900					-.0499				
159.500	-.5641								
180.000	-.4950	-.4538	-.3717	-.2125	-.0593	.0634	.1510	.1997	.2263 .2367

RN/L ( 1 ) = 6.048 ALPHA ( 5 ) = 6.102 BETA = .00000 MACH = .19976 Q(PSF) = 265.77

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.3091	-.2773	-.1761	-.0769	.0114	.0889	.1607	.2225 .2423
24.000							.0886		
27.800	-.1975								
28.700			-.2932						
29.400				-.1656					
30.400							.1588		
31.300					-.0737				
33.800						.0091			
41.000							.074		
44.800				-.1940				.1571	.2245

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVR1C4 + SPDBRK

(RJPC23)

RN/L ( 1 ) = 6.048 ALPHA ( 5 ) = 6.102

SECTION ( 1 )	TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
50.100	-.3042	-.2844	-.2878	-.1650	-.0821				.2241		
52.900						-.0057					
64.000							-.0202				
67.200	-.3902										
71.500								.0769			
72.200					-.2077						
75.900						-.1662					
82.800							.1240				
92.200							.1250				
93.000	-.4450										
93.500								.2118			
94.000				-.2624							
99.100						.0175					
101.400	-.4334		-.4286	-.4281	-.2987				.2275		
103.400	-.4091										
105.900					-.1805						
106.100							.1311				
115.600	-.4247	-.4634	-.5604	-.3607					.2228		
117.600					-.0810						
119.000						.0541					
120.500							.1370				
124.400								.1901			
133.100					-.0324						
133.500						.0604					
133.800	-.5222	-.4792	-.5005	-.2311					.2262		
134.000							.1505				
142.500							.1520				
147.300						.0905					
148.100					-.0157						
149.100	-.5053	-.4930	-.4342	-.2146					.2283		
156.200						.0824					
157.900					-.0365						
159.500	-.5726										
180.000	-.4974	-.4376	-.3692	-.2065	-.0513	.0735	.1564	.2036	.2272	.2423	

LARC LTPT 229(LA81) WBEVR1C4 + SPDBRK

(RJPC23)

RN/L ( 1 ) = 6.023 ALPHA ( 6 ) = 8.025 BETA = .00000 MACH = .19976 Q(PSF) = 265.77

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3196	-.2873	-.1892	-.0928	-.0031	.0761	.1530	.2237	.2482
24.000							.0751			
27.800	-.2001									
28.700			-.3109							
29.400				-.1788						
30.400								.1521		
31.300					-.0884					
33.800						-.0039				
41.000							.0651			
44.800				-.1999				.1520	.2242	
50.100	-.3050	-.2810	-.2976	-.1763	-.0946				.2217	
52.900						-.0180				
64.000							-.0297			
67.200	-.2917									
71.500								.0672		
72.200					-.2130					
75.900						-.1734				
82.800							.1181			
92.200							.1211			
93.000	-.4779									
93.500								.2107		
94.000				-.2734						
99.100						.0090				
101.400	-.4657		-.4544	-.4524	-.3150				.2308	
103.400	-.4372									
105.900					-.1936					
106.100							.1245			
115.600	-.4608	-.4933	-.5906	-.3917					.2272	
117.600					-.0945					
119.000						.0444				
120.500							.1251			
124.400								.1909		
133.100					-.0477					
133.500						.0485				
133.800	-.5500	-.5040	-.5120	-.2451					.2299	
134.000							.1433			
142.500							.1468			
147.300						.0805				
148.100					-.0247					
149.100	-.5304	-.5152	-.4428	-.2189					.2304	
156.200						.0726				
157.900					-.0477					
159.500	-.6020									
180.000	-.5248	-.4372	-.3876	-.2190	-.0590	.0611	.1516	.2036	.2314	.2482

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC4 + SPDBRK

(RJPC23)

RN/L ( 1 ) = 6.046 ALPHA ( 7 ) = 10.069 BETA = .00001 MACH = .19976 Q(PSF) = 265.77

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3199	-.2950	-.1970	-.1029	-.0113	.0674	.1455	.2260	.2542
24.000							.0670			
27.800	-.2048									
28.700			-.3191							
29.400				-.1890						
30.400								.1473		
31.300					-.0981					
33.800						-.0146				
41.000							.0589			
44.800				-.2073				.1453	.2230	
50.100	-.2932	-.2672	-.2900	-.1767	-.0992				.2229	
52.900						-.0243				
64.000							-.0460			
67.200	-.3367									
71.500								.0418		
72.200					-.2236					
75.900						-.1902				
82.800							.1115			
92.200							.1173			
93.000	-.5141									
93.500								.2081		
94.000				-.2941						
99.100						-.0006				
101.400	-.5066		-.4848	-.4805	-.3428				.2365	
103.400	-.4750									
105.900					-.2183					
106.100							.1250			
115.600	-.4857	-.5311	-.6258	-.4202					.2327	
117.600					-.1077					
119.000						.0395				
120.500							.1232			
124.400								.1910		
133.100					-.0658					
133.500						.0368				
133.800	-.5749	-.5279	-.5283	-.2650					.2329	
134.000							.1332			
142.500							.1361			
147.300						.0659				
148.100					-.0498					
149.100	-.5582	-.5374	-.4660	-.2440					.2319	
156.200						.0518				
157.900					-.0722					
159.500	-.6288									
180.000	-.5698	-.4515	-.4011	-.2447	-.0858	.0363	.1321	.2066	.2325	.2542

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRT04 + SPDBRK

(RJPC24) ( 06 MAY 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = -10.000 AILRON = .000  
 SPDBRK = 25.000 MACH = .200

RN/L ( 1 ) = 8.037 ALPHA ( 1 ) = -2.014 BETA = .00000 MACH = .19957 Q(PSF) = 354.91

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3204	-.2919	-.1441	-.0349	.0570	.1328	.1911	.2364	.2033
24.000							.1310			
27.800	-.2208									
28.700			-.2660							
29.400				-.1346						
30.400								.1912		
31.300					-.0324					
33.800						.0546				
41.000							.1235			
44.800				-.1611				.1926	.2324	
50.100	-.3213	-.2994	-.2949	-.1474	-.0471				.2315	
52.900						.0411				
64.000							.0232			
67.200	-.3155									
71.500								.1267		
72.200					-.1836					
75.900						-.1485				
82.800							.1536			
92.200							.1614			
93.000	-.4121									
93.500								.2127		
94.000				-.2378						
99.100						.0423				
101.400	-.3963		-.3928	-.4024	-.2242				.2188	
103.400	-.3777									
105.900					-.1120					
106.100							.1608			
115.600	-.3628	-.3993	-.4771	-.2622					.2308	
117.600					-.0511					
119.000						.0722				
120.500							.1511			
124.400								.1913		
133.100					-.0458					
133.500						.0821				
133.800	-.4513	-.4310	-.5067	-.2575					.2343	
134.000							.1428			
142.500							.1503			
147.300						.0668				

DATE 06 MAY 75

TABULATED SOURCE DATA ~ LAB1

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LARC LTPT 229(LAB1) WBEVRT 34 + SPDBRK

(RJPC24)

RN/L ( 1 ) = 8.037 ALPHA ( 1 ) = -2.014

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

148.100										
149.100	-.4438	-.4569	-.4572	-.2875					.2352	
156.200						.0275				
157.900						-.1113				
159.500	-.5334									
180.000	-.4374	-.4121	-.3861	-.2605	-.1220	.0092	.1343	.2167	.2361	.2033

RN/L ( 1 ) = 8.025 ALPHA ( 2 ) = .010 BETA = .00000 MACH = .19957 Q(PSF) = 354.91

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.3164	-.2886	-.1512	-.0443	.0463	.1232	.1844	.2304	.2369
24.000							.1214			
27.800	-.2202									
28.700			-.2747							
29.400				-.1440						
30.400								.1853		
31.300					-.0431					
33.800						.0435				
41.000							.1112			
44.800				-.1718				.1852	.2284	
50.100	-.3117	-.2961	-.2949	-.1517	-.0568				.2281	
52.900						.0263				
64.000							.0085			
67.200	-.3104									
71.500								.1074		
72.200					-.1894					
75.900						-.1613				
82.800							.1455			
92.200							.1536			
93.000	-.4224									
93.500								.2092		
94.000				-.2495						
99.100						.0347				
101.400	-.4118		-.4072	-.4134	-.2891				.2187	
103.400	-.3866									
105.900					-.1348					
106.100							.1534			
115.600	-.3767	-.4140	-.4976	-.2876					.2235	
117.600					-.0574					
119.000						.0670				
120.500							.1564			



LARC LTPT 229(LA81) WBEVRT 24 + SPDBRK

(RJPC24)

RN/L ( 1 ) = 8.025 ALPHA ( 2 ) = .010

SECTION ( 1 ) TAIL CONE DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI										
124.400								.1902		
133.100										
133.500										
133.800	-.4701	-.4447	-.5075	-.2512		.0825			.2258	
134.000								.1476		
142.500								.1530		
147.300							.0751			
148.100										
149.100	-.4646	-.4705	-.4573	-.2708					.2287	
156.200							.0471			
157.900										
159.500	-.5540									
180.000	-.4644	-.4270	-.3784	-.2490	-.1031	.0284	.1413	.2137	.2283	.2369

RN/L ( 1 ) = 8.033 ALPHA ( 3 ) = 1.953 BETA = .00000 MACH = .19957 Q(PSF) = 354.91

SECTION ( 1 ) TAIL CONE DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI										
.000										
24.000		-.3146	-.2859	-.1590	-.0546	.0359	.1139	.1767	.2278	.2362
27.800	-.2149						.1127			
28.700			-.2775							
29.400				-.1500						
30.400								.1783		
31.300					-.0525					
33.800						.0338				
41.000							.0986			
44.800				-.1794				.1775	.2294	
50.100	-.3098	-.2936	-.2922	-.1548	-.0650				.2257	
52.900						.0164				
64.000							-.0052			
67.200	-.2792									
71.500								.0867		
72.200				-.1973						
75.900					-.1712					
82.800							.1319			
92.200							.1404			
93.000	-.4350									
93.500								.2050		
94.000				-.2586						
99.100						.0289				
101.400	-.4229		-.4181	-.4225	-.2954				.2192	

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTCH + SPDBRK

(RJPC24)

RN/L ( 1 ) = 8.033 ALPHA ( 3 ) = 1.953

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

103.400	-.3995								
105.900					-.1547				
106.100						.1415			
115.600	-.3927	-.4300	-.5193	-.3122				.2205	
117.500					-.0659				
119.000						.0621			
120.500							.1548		
124.400								.1930	
133.100					-.0366				
133.500						.0785			
133.800	-.4891	-.4562	-.5070	-.2453				.2240	
134.000							.1479		
142.500							.1531		
147.300						.0834			
148.100					-.0426				
149.100	-.4830	-.4803	-.4534	-.2530				.2252	
156.200						.0625			
157.900					-.0738				
159.500	-.5682								
160.000	-.4884	-.4394	-.3888	-.2353	-.0681	.0482	.1490	.2070	.2276
								.2362	

RN/L ( 1 ) = 8.026 ALPHA ( 4 ) = 4.058 BETA = .00000 MACH = .19957 Q(PSF) = 354.91

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.3124	-.2825	-.1685	-.0671	.0231	.1018	.1706	.2263	.2421
24.000							.1013			
27.800	-.2053									
28.700			-.2902							
29.400				-.1617						
30.400								.1716		
31.300					-.0638					
33.800						.0215				
41.000							.0868			
44.800				-.1885				.1686	.2290	
50.100	-.3118	-.2900	-.2977	-.1622	-.0761				.2281	
52.900						.0038				
64.000							-.0143			
67.200	-.2594									
71.500								.0701		
72.200					-.2030					
75.900						-.1667				

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LARC LTPT 229(LA81) WBEVRT74 + SPOBRK

(RJPC24)

RN/L ( 1 ) = 8.026 ALPHA ( 4 ) = 4.058

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
82.800							.1323				
92.200							.1321				
93.000	-.4441										
93.500								.2160			
94.000				-.2642							
99.100						.0233					
101.400	-.4317		-.4239	-.4274	-.2975				.2241		
103.400	-.4114										
105.900					-.1718						
106.100							.1348				
115.600	-.4108	-.4503	-.5455	-.3411					.2239		
117.600					-.0739						
119.000						.0576					
120.500							.1507				
124.400								.1925			
133.100					-.0334						
133.500						.0734					
133.800	-.5092	-.4709	-.5055	-.2377					.2267		
134.000							.1541				
142.500							.1558				
147.300						.0900					
148.100					-.0257						
149.100	-.4973	-.4917	-.4451	-.2325					.2301		
156.200						.0756					
157.900					-.0525						
159.500	-.5728										
180.000	-.5101	-.4507	-.3809	-.2188	-.0654	.3627	.1517	.2041	.2283	.2421	

RN/L ( 1 ) = 8.070 ALPHA ( 5 ) = 6.011 BETA = .00000 MACH = .19957 Q(PSF) = 354.91

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.3094	-.2769	-.1759	-.0788	.0123	.0912	.1649	.2291	.2476	
24.000							.0908				
27.800	-.1971										
28.700			-.3055								
29.400				-.1683							
30.400								.1648			
31.300					-.0751						
33.800						.0097					
41.000							.0752				
44.800				-.1934				.1616	.2312		

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4 + SPDBRK

(RJPC24)

RN/L ( 1 ) = 8.070 ALPHA ( 5 ) = 6.011

SECTION ( 1 )	TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
50.100	-.3033	-.2829	-.2911	-.1665	-.0818				.2320		
52.900						-.0052					
64.000							-.0227				
67.200	-.2620										
71.500								.0750			
72.200					-.2065						
75.900						-.1671					
82.800							.1298				
92.200							.1283				
93.000	-.4544										
93.500								.2249			
94.000				-.2696							
99.100						.0182					
101.400	-.4401		-.4319	-.4317	-.3064				.2306		
103.400	-.4185										
105.900					-.1862						
106.100							.1394				
115.600	-.4296	-.4703	-.5697	-.3704					.2319		
117.600					-.0820						
119.000						.0532					
120.500							.1424				
124.400								.1963			
133.100					-.0316						
133.500						.0642					
133.800	-.5268	-.4831	-.5039	-.2365					.2336		
134.000							.1564				
142.500							.1577				
147.300						.0943					
148.100					-.0144						
149.100	-.5092	-.4975	-.4374	-.2163					.2370		
156.200						.0853					
157.900					-.0369						
159.500	-.5813										
180.000	-.4828	-.4365	-.3769	-.2025	-.0502	.0757	.1611	.2088	.2350	.2476	

LARC LTPT 229(LAB1) WBEVRTC4 + SPDBRK

(RJPC24)

RN/L ( 1 ) = 8.041 ALPHA ( 6 ) = 8.216 BETA = .00000 MACH = .19957 Q(PSF) = 354.91

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3263	-.2894	-.1938	-.0966	-.0078	.0741	.1534	.2313	.2553
24.000							.0736			
27.800	-.2028									
28.700			-.3244							
29.400				-.1879						
30.400								.1549		
31.300					-.0924					
33.800						-.0066				
41.000							.0628			
44.800				-.2047				.1502	.2295	
50.100	-.3101	-.2844	-.3044	-.1774	-.0955				.2268	
52.900						-.0224				
64.000							-.0306			
67.200	-.2855									
71.500								.0635		
72.200					-.2195					
75.900						-.1845				
82.800							.1210			
92.200							.1270			
93.000	-.4910									
93.500								.2136		
94.000				-.2802						
99.100						.0070				
101.400	-.4810		-.4615	-.4624	-.3273				.2374	
103.400	-.4581									
105.900					-.2049					
106.100							.1299			
115.600	-.4666	-.5067	-.6047	-.4066					.2345	
117.600					-.1016					
119.000						.0442				
120.500							.1308			
124.400								.1945		
133.100					-.0504					
133.500						.0514				
133.800	-.5601	-.5119	-.5204	-.2550					.2379	
134.000							.1457			
142.500							.1484			
147.300						.0815				
148.100					-.0256					
149.100	-.5421	-.5236	-.4483	-.2220					.2363	
156.200						.0720				
157.900					-.0499					
159.500	-.6088									
180.000	-.4416	-.4353	-.3884	-.2221	-.0634	.0589	.1518	.2105	.2356	.2553

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) NBEVRTC4 + SPOBRK

(RJPC25) ( 06 MAY 76 )

## REFERENCE DATA

## PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. / XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

ELEVON = -10.000 AILRON = .000  
 SPOBRK = 25.000 MACH = .200

RN/L ( 1 ) = 10.062 ALPHA ( 1 ) = -1.994 BETA = .00000 MACH = .19976 Q(PSF) = 448.74

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3194	-.2848	-.1428	-.0347	.0584	.1328	.1918	.2333	.2524
24.000							.1323			
27.800	-.2054									
28.700			-.2664							
29.400				-.1341						
30.400								.1919		
31.300					-.0315					
33.800						.0542				
41.000							.1250			
44.800				-.1622				.1918	.2329	
50.100	-.3178	-.2943	-.3026	-.1458	-.0479				.2293	
52.900						.0408				
64.000							.0285			
67.200	-.3567									
71.500								.1268		
72.200					-.1868					
75.900						-.1458				
82.800							.1514			
92.200							.1609			
93.000	-.4215									
93.500								.2101		
94.000				-.2456						
99.100						.0364				
101.400	-.4058		-.3967	-.4046	-.2806				.2180	
103.400	-.3851									
105.900					-.1165					
106.100							.1613			
115.600	-.3668	-.4036	-.4831	-.2665					.2302	
117.600					-.0522					
119.000						.0723				
120.500							.1513			
124.400								.1889		
133.100					-.0480					
133.500						.0825				
133.800	-.4563	-.4345	-.5143	-.2639					.2314	
134.000							.1437			
142.500							.1468			
147.300						.0647				

LARC LTPT 229(LA81) WBEVRTC4 + SP08RK

(RJPC25)

RN/L ( 1 ) = 10.062 ALPHA ( 1 ) = -1.994

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
148.100					-.0889						
149.100	-.4497	-.4650	-.4595	-.2927					.2333		
156.200						.0194					
157.900					-.1184						
159.500	-.5446										
180.000	-.4362	-.4129	-.3838	-.2610	-.1275	.0034	.1299	.2155	.2351	.2524	

RN/L ( 1 ) = 10.054 ALPHA ( 2 ) = -.010 BETA = 00000 MACH = .19976 Q(PSF) = 448.74

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.3166	-.2812	-.1503	-.0430	.0497	.1265	.1866	.2297	.2468	
24.000							.1244				
27.800	-.2041										
28.700			-.2667								
29.400				-.1440							
30.400								.1854			
31.300					-.0411						
33.800						.0465					
41.000							.1120				
44.800				-.1708				.1865	.2287		
50.100	-.3053	-.2975	-.2997	-.1484	-.0552				.2275		
52.900						.0292					
64.000							.0120				
67.200	-.3773										
71.500								.1108			
72.200					-.1903						
75.900						-.1611					
82.800							.1451				
92.200							.1550				
93.000	-.4315										
93.500								.2086			
94.000				-.2542							
99.100						.0294					
101.400	-.4200		-.4109	-.4172	-.2915				.2200		
103.400	-.3974										
105.900					-.1396						
106.100							.1559				
115.600	-.3811	-.4185	-.5052	-.2896					.2230		
117.600					-.0594						
119.000						.0674					
120.500							.1571				

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) NBEVRTC4 + SPDBRK

(RJPC25)

RN/L ( 1) = 10.054 ALPHA ( 2) = -.010

SECTION ( 1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

124.400							.1921		
133.100					-.0433				
133.500						.0834			
133.800	-.4769	-.4477	-.5148	-.2571				.2249	
134.000							.1484		
142.500							.1526		
147.300						.0755			
148.100					-.0657				
149.100	-.4708	-.4778	-.4608	-.2755				.2271	
156.200						.0404			
157.900					-.0978				
159.500	-.5645								
180.000	-.4675	-.4342	-.3944	-.2477	-.1121	.0240	.1417	.2141	.2288 .2468

RN/L ( 1) = 10.027 ALPHA ( 3) = 2.074 BETA = .00000 MACH = .19976 Q(PSF) = 448.74

SECTION ( 1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.3182	-.2827	-.1602	-.0566	.0356	.1136	.1802	.2280 .2391
24.000							.1114		
27.800	-.2011								
28.700			-.2746						
29.400				-.1552					
30.400								.1790	
31.300					-.0531				
33.800						.0318			
41.000							.0973		
44.800				-.1834				.1765	.2264
50.100	-.2989	-.2900	-.3006	-.1571	-.0650			.2258	
52.900						.0130			
64.000							-.0059		
67.200	-.4126								
71.500								.0848	
72.200					-.1935				
75.900						-.1737			
82.800							.1372		
92.200							.1409		
93.000	-.4453								
93.500								.2061	
94.000				-.2633					
99.100						.0266			
101.400	-.4332		-.4199	-.4238	-.2966				.2222



LARC LTPT 229(LA81) 11BEVRTC4 + SPDBRK

(RJPC25)

RN/L ( 1 ) = 10.027 ALPHA ( 3 ) = 2.074

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

103.400	-.4085								
105.900				-.1592					
106.100						.1423			
115.600	-.3982	-.4397	-.5282	-.73186				.2210	
117.600				-.0665					
119.000					.0632				
120.500						.1551			
124.400							.1935		
133.100				-.0373					
133.500					.0801				
133.800	-.4962	-.4625	-.5131	-.2514				.2246	
134.000						.1482			
142.500						.1552			
147.300					.0818				
148.100				-.0441					
149.100	-.4886	-.4915	-.4557	-.2575				.2244	
156.200					.0613				
157.900				-.0751					
159.500	-.5751								
180.000	-.4919	-.4367	-.3904	-.2362	-.0908	.0480	.1503	.2093	.2277 .2391

RN/L ( 1 ) = 10.036 ALPHA ( 4 ) = 4.028 BETA = 00000 MACH = .19976 Q(PSF) = 448.74

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.3156	-.2804	-.1699	-.0687	.0237	.1033	.1729	.2300 .2415
24.000							.1027		
27.800	-.1963								
28.700			-.2864						
29.400				-.1648					
30.400								.1730	
31.300					-.0655				
33.800						.0191			
41.000							.0858		
44.800				-.1903				.1698	.2300
50.100	-.3006	-.2890	-.2997	-.1601	-.0755				.2314
52.900						.0028			
64.000							-.0140		
67.200	-.4135								
71.500								.0798	
72.200				-.2056					
75.900					-.1729				

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 185

LARC LTPT 229(LAB1) 1BEVRTC4 + SPDBRK

(RJPC25)

RN/L ( 1 ) = 10.036 ALPHA ( 4 ) = 4.028

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
82.800							.1319			
92.200							.1341			
93.000	-.4502									
93.500								.2208		
94.000				-.2667						
99.100						.0236				
101.400	-.4455		-.4273	-.4241	-.2945				.2231	
103.400	-.4165									
105.900					-.1766					
106.100							.1363			
115.600	-.4133	-.4557	-.5510	-.3459					.2221	
117.600					-.0712					
119.000						.0541				
120.500							.1508			
124.400								.1954		
133.100					-.0328					
133.500						.0761				
133.800	-.5150	-.4723	-.5096	-.2397					.2281	
134.000							.1537			
142.500							.1581			
147.300						.0928				
148.100					-.0252					
149.100	-.5019	-.4976	-.4454	-.2340					.2315	
156.200						.0731				
157.900					-.0531					
159.500	-.5833									
180.000	-.5090	-.4588	-.3761	-.2287	-.0680	.0572	.1522	.2058	.2302	.2415

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 186

LARC LTPT 229(LAB1) BEVRTCH + SPDBRK

(RJPC26) ( 06 MAY 76 )

## REFERENCE DATA

## PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

ELEVON = 10.000 AILRON = .000  
 SPDBRK = 25.000 MACH = .200

RN/L ( 1 ) = 2.081 ALPHA ( 1 ) = -2.014 BETA = 00000 MACH = .20040 Q(PSF) = 85.204

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2559	-.2511	-.1212	-.0241	.0611	.1348	.1857	.2119	.2188
24.000							.1350			
27.800	-.1938									
28.700			-.2138							
29.400				-.1253						
30.400								.1853		
31.300					-.0318					
33.800						.0585				
41.000							.1402			
44.800				-.1467				.1848	.2115	
50.100	-.3406	-.3072	-.2649	-.1334	-.0239				.2104	
52.900						.0656				
64.000							.0495			
67.200	-.4639									
71.500								.1365		
72.200					-.1484					
75.900						-.0589				
92.800							.1363			
92.200							.1353			
93.000	-.4797									
93.500								.1759		
94.000				-.2744						
99.100						.0515				
101.400	-.4687		-.4574	-.4448	-.2865				.2053	
103.400	-.4628									
105.900					-.1060					
106.100							.1205			
115.600	-.4528	-.4661	-.5203	-.2849					.2069	
117.600					-.0876					
119.000						.0514				
120.500							.1100			
124.400								.1580		
133.100					-.0944					
133.500						.0432				
133.800	-.5069	-.5008	-.5738	-.3132					.2080	
134.000							.1097			
142.500							.1114			
147.300						.0228				

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 187

LARC LTPT 229(LA81) 13EVRTC4 + SPDBRK

(RJPC26)

RN/L ( 1 ) = 2.081 ALPHA ( 1 ) = -2.014

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
148.100					-.1351					
149.100	-.4932	-.5048	-.5229	-.3515					.2086	
156.200						-.0132				
157.900					-.1631					
159.500	-.5770									
180.000	-.5029	-.4643	-.4497	-.3159	-.1672	-.0276	.0972	.1767	.2102	.2188

RN/L ( 1 ) = 2.075 ALPHA ( 2 ) = .040 BETA = .00000 MACH = .20040 Q(PSF) = 85.204

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2558	-.2576	-.1251	-.0309	.0526	.1278	.1810	.2103	.2163
24.000							.1274			
27.800	-.1930									
28.700			-.2132							
29.400				-.1305						
30.400								.1812		
31.300					-.0386					
33.800						.0497				
41.000							.1330			
44.800				-.1549				.1809	.2088	
50.100	-.3419	-.2957	-.2674	-.1407	-.0345				.2079	
52.900						.0542				
64.000							.0402			
67.200	-.4755									
71.500								.1327		
72.200					-.1620					
75.900						-.0650				
82.800							.1369			
92.200							.1353			
93.000	-.4923									
93.500								.1744		
94.000				-.2843						
99.100						.0452				
101.400	-.4833		-.4706	-.4554	-.2982				.2026	
103.400	-.4720									
105.900					-.1200					
106.100							.1237			
115.600	-.4578	-.4715	-.5292	-.2954					.2061	
117.600					-.0860					
119.000						.0483				
120.500							.1136			

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OF POOR QUALITY.

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 188

LARC LTPT 229(LAB1) WJEVRTCH + SPOBRK

(RJPC26)

RN/L ( 1 ) = 2.075 ALPHA ( 2 ) = .040

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
124.400								.1543			
133.100					-.0850						
133.500						.0468					
133.800	-.5246	-.5120	-.5729	-.3029					.2085		
134.000							.1106				
142.500							.1134				
147.300						.0347					
148.100					-.1118						
149.100	-.5122	-.5182	-.5229	-.3345					.2081		
156.200						.0096					
157.900					-.1431						
159.500	-.5951										
180.000	-.5308	-.4795	-.4513	-.3038	-.1456	-.0040	.1062	.1727	.2084	.2163	

RN/L ( 1 ) = 2.078 ALPHA ( 3 ) = 2.014 BETA = .00000 MACH = .20040 Q(PSF) = 85.204

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.2542	-.2616	-.1323	-.0415	.0403	.1153	.1732	.2032	.2114	
24.000							.1156				
27.800	-.1925										
28.700			-.2170								
29.400				-.1365							
30.400								.1743			
31.300					-.0486						
33.800						.0363					
41.000							.1217				
44.800				-.1645				.1745	.2023		
50.100	-.3374	-.2849	-.2702	-.1484	-.0472				.2017		
52.900						.0397					
64.000							.0304				
67.200	-.4818										
71.500								.1227			
72.200					-.1755						
75.900						-.0724					
82.800							.1348				
92.200							.1337				
93.000	-.5032										
93.500								.1735			
94.000				-.2918							
99.100						.0343					
101.400	-.4940		-.4797	-.4637	-.3042				.1959		

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 189.

LARC LTPT 229(LA81) WBEVRTC4 + SPDBRK

(RJPC26)

RN/L ( 1 ) = 2.078 ALPHA ( 3 ) = 2.014

SECTION ( 1 ) TAIL CONE					DEPENDENT VARIABLE CP					
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
103.400	-.4814									
105.900					-.1330					
106.100							1240			
115.600	-.4620	-.4755	-.5384	-.3074					.1991	
117.600					-.0827					
119.000						.0484				
120.500							1173			
124.400								.1549		
133.100					-.0727					
133.500						.0505				
133.800	-.5386	-.5192	-.5687	-.2912					.2014	
134.000							1118			
142.500							.1149			
147.300						.0447				
148.100					-.0883					
149.100	-.5263	-.5253	-.5148	-.3135					.2004	
156.200						.0279				
157.900					-.1174					
159.500	-.6054									
180.000	-.5467	-.4864	-.4426	-.2842	-.1209	.0169	1122	.1661	.2001	.2114

RN/L ( 1 ) = 2.071 ALPHA ( 4 ) = 4.078 BETA = .00000 MACH = .20040 Q(PSF) = 85.204

SECTION ( 1 ) TAIL CONE					DEPENDENT VARIABLE CP					
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2582	-.2671	-.1430	-.0535	.0262	.1029	.1674	.2016	.2122
24.000							.1028			
27.800	-.1926									
28.700			-.2223							
29.400				-.1456						
30.400								.1681		
31.300					-.0606					
33.800						.0233				
41.000							.1095			
44.800				-.1750				.1691	.2008	
50.100	-.3238	-.2815	-.2746	-.1574	-.0609				.2007	
52.900						.0240				
64.000							0216			
67.200	-.4867									
71.500								.1127		
72.200					-.1859					
75.900						-.0804				

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 190

LARC LTPT 229(LA81) WBEVRTC4 + SPDBRK

(RJPC26)

RN/L ( 1 ) = 2.071 ALPHA ( 4 ) = 4.078

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
82.800							1257			
92.200							1262			
93.000	-.5101									
93.500								.1729		
94.000				-.2990						
99.100						.0243				
101.400	-.5036		-.4889	-.4698	-.3097				.1964	
103.400	-.4876									
105.900					-.1502					
106.100							.1199			
115.600	-.4719	-.4852	-.5547	-.3252					.1970	
117.600					-.0852					
119.000						.0461				
120.500							.1196			
124.400								.1587		
133.100					-.0650					
133.500						.0498				
133.800	-.5546	-.5305	-.5653	-.2811					.1990	
134.000							.1113			
142.500							.1143			
147.300						.0499				
148.100					-.0698					
149.100	-.5407	-.5346	-.5092	-.2929					.1993	
156.200						.0395				
157.900					-.0986					
159.500	-.6141									
180.000	-.5653	-.4965	-.4424	-.2737	-.1050	.0298	.1164	.1665	.1985	.2122

RN/L ( 1 ) = 2.092 ALPHA ( 5 ) = 6.112 BETA = .00000 MACH = .20040 Q(PSF) = 85.204

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
.000		-.2882	-.2962	-.1722	-.0816	.0017	.0820	.1525	.1928	.2044
24.000							.0810			
27.800	-.2173									
28.700			-.2518							
29.400				-.1721						
30.400								.1534		
31.300					-.0863					
33.800						-.0018				
41.000							.0872			
44.800				-.1998				.1548	.1918	

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 191

LARC LTPT 229(LAB1) WUEVRTC4 + SPDBRK

(RJPC26)

RN/L ( 1 ) = 2.092 ALPHA ( 5 ) = 6.112

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
50.100	-.3435	-.3180	-.3031	-.1812	-.0867				.1898	
52.900						-.0016				
64.000							.0068			
67.200	-.5406									
71.500								.0982		
72.200					-.2045					
75.900						-.1013				
82.800							.1084			
92.200							.1069			
93.000	-.5556									
93.500								.1602		
94.000				-.3209						
99.100						.0054				
101.400	-.5497		-.5342	-.4994	-.3329				.1906	
103.400	-.5331									
105.900					-.1743					
106.100							.1050			
115.600	-.5148	-.5277	-.5922	-.3583					.1874	
117.600					-.1042					
119.000						.0317				
120.500							.1056			
124.400								.1515		
133.100					-.0811					
133.500						.0332				
133.800	-.5930	-.5624	-.5859	-.2977					.1931	
134.000							.0995			
142.500							.1006			
147.300						.0361				
148.100					-.0783					
149.100	-.5712	-.5597	-.5223	-.2951					.1948	
156.200						.0284				
157.900					-.1040					
159.500	-.6438									
180.000	-.5881	-.5082	-.4560	-.2838	-.1133	.0180	.1078	.1579	.1942	.2044



DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WFEVRTC4 + SPDBRK

(RJPC26)

RN/L ( 1 ) = 2.073 ALPHA ( 6 ) = 8.065 BETA = .0000 MACH = .20040 Q(PSF) = 85.204

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3138	-.3218	-.1989	-.1049	-.0183	.0662	.1419	.1865	.2010
24.000							.0674			
27.800	-.2404									
28.700			-.2781							
29.400				-.1967						
30.400								.1427		
31.300					-.1070					
33.800						-.0208				
41.000							0730			
44.800				-.2218				.1426	.1844	
50.100	-.3738	-.3683	-.3269	-.2030	-.1071				.1857	
52.900						-.0209				
64.000							-.0021			
67.200	-.6236									
71.500								.0937		
72.200					-.2208					
75.900						-.1145				
82.800							1021			
92.200							1026			
93.000	-.6385									
93.500								.1483		
94.000				-.3483						
99.100						.0015				
101.400	-.6259		-.5913	-.5430	-.3604				.1827	
103.400	-.6007									
105.900					-.1884					
106.100							.0982			
115.600	-.5683	-.5735	-.6326	-.3855					.1887	
117.600					-.1212					
119.000						.0253				
120.500							.0989			
124.400								.1457		
133.100					-.1045					
133.500						.0219				
133.800	-.6277	-.5946	-.6061	-.3204					.1883	
134.000							0941			
142.500							0927			
147.300						.0215				
148.100					-.0979					
149.100	-.5998	-.5851	-.5392	-.3115					.1901	
156.200						.0129				
157.900					-.1236					
159.500	-.6697									
180.000	-.6087	-.5091	-.4731	-.3046	-.1357	-.0006	0980	.1567	.1888	.2010

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WFEVRTC4 + SPDBRK

(RJPC26)

RN/L ( 1 ) = 2.084 ALPHA ( 7 ) = 10.180 BETA = .00000 MACH = .20040 Q(PSF) = 85.204

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3365	-.3458	-.2252	-.1284	-.0391	.0461	.1255	.1804	.1992
24.000							.0472			
27.800	-.2618									
28.700			-.3051							
29.400				-.2211						
30.400								.1250		
31.300					-.1312					
33.800						-.0416				
41.000							.0510			
44.800				-.2412				.1251	.1779	
50.100	-.3634	-.3850	-.3426	-.2180	-.1241				.1761	
52.900						-.0395				
64.000							-.0162			
67.200	-.6974									
71.500								.0734		
72.200					-.2495					
75.900						-.1358				
82.800							.0811			
92.200							.0726			
93.000	-.7181									
93.500								.1269		
94.000				-.3892						
99.100						-.0091				
101.400	-.7000		-.6632	-.6092	-.4048				.1800	
103.400	-.6781									
105.900					-.2104					
106.100							.0662			
115.600	-.6306	-.6365	-.6928	-.4279					.1794	
117.600					-.1420					
119.000						.0074				
120.500							.0719			
124.400								.1294		
133.100					-.1283					
133.500						.0030				
133.800	-.6699	-.6347	-.6313	-.3477					.1811	
134.000							.0714			
142.500							.0705			
147.300						-.0022				
148.100					-.1289					
149.100	-.6335	-.6167	-.5652	-.3390					.1811	
156.200						-.0211				
157.900					-.1583					
159.500	-.7028									
180.000	-.6403	-.5249	-.5061	-.3366	-.1694	-.0391	.0692	.1443	.1797	.1992

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WEEVRTC4 + SPDBRK

(RJPC26)

RN/L ( 1 ) = 2.068 ALPHA ( 8 ) = 12.163 BETA = .00000 MACH = .20040 Q(PSF) = 85.204

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3520	-.3617	-.2465	-.1480	-.0608	.0278	.1108	.1739	.1981
24.000							.0270			
27.800	-.2800									
28.700		-.3338								
29.400			-.2466							
30.400								.1063		
31.300					-.1549					
33.800						-.0645				
41.000							.0244			
44.800				-.2442				.1032	.1695	
50.100	-.3698	-.3819	-.3228	-.2172	-.1380				.1665	
52.900						-.0621				
64.000							-.0491			
67.200	-.7677									
71.500								.0411		
72.200					-.2879					
75.900						-.1711				
82.800							.0502			
92.200							.0360			
93.000	-.7912									
93.500								.1108		
94.000				-.4428						
99.100						-.0385				
101.400	-.7748		-.7347	-.6842	-.4692				.1715	
103.400	-.7533									
105.900					-.2314					
106.100							.0300			
115.600	-.6965	-.7047	-.7670	-.4839					.1714	
117.600					-.1735					
119.000						-.0434				
120.500							.0305			
124.400								.1079		
133.100					-.1639					
133.500						-.0462				
133.800	-.7150	-.6787	-.6662	-.3792					.1721	
134.000							.0335			
142.500							.0317			
147.300						-.0503				
148.100					-.1786					
149.100	-.6697	-.6505	-.6004	-.3809					.1707	
156.200						-.0757				
157.900					-.2075					
159.500	-.7460									
180.000	-.7044	-.5454	-.5409	-.3801	-.2161	-.0894	.0282	.1243	.1701	.1981

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 195

LARC LTPT 229(LA81) WEEVRTC4 + SPDBRK

(RJPC26)

RN/L ( 1 ) = 2.101 ALPHA ( 9 ) = 14.127 BETA = .00000 MACH = .20040 Q(PSF) = 85.204

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3697	-.3791	-.2773	-.1842	-.0924	-.0030	.0886	.1549	.1824
24.000							-.0012			
27.800	-.2933									
28.700			-.3676							
29.400				-.2764						
30.400								.0879		
31.300					-.1861					
33.800						-.0945				
41.000							-.0053			
44.800				-.2843				.0841	.1511	
50.100	-.3650	-.3857	-.3627	-.2525	-.1737				.1466	
52.900						-.0952				
64.000							-.1114			
67.200	-.8214									
71.500								.0064		
72.200					-.3281					
75.900						-.2273				
82.800							.0214			
92.200							.0133			
93.000	-.8673									
93.500								.0830		
94.000				-.4998						
99.100						-.0914				
101.400	-.8467		-.7990	-.7414	-.5249				.1406	
103.400	-.8303									
105.900					-.2924					
106.100							.0009			
115.600	-.7702	-.7743	-.8461	-.5519					.1415	
117.600					-.2370					
119.000						-.1007				
120.500							-.0042			
124.400								.0910		
133.100					-.2291					
133.500						-.1105				
133.800	-.7831	-.7247	-.7314	-.4397					.1470	
134.000							-.0011			
142.500							-.0148			
147.300						-.1096				
148.100					-.2549					
149.100	-.7213	-.7067	-.6827	-.4616					.1487	
156.200						-.1455				
157.900					-.2772					
159.500	-.7947									
180.000	-.7592	-.5914	-.5943	-.4401	-.2788	-.1494	-.0143	.0986	.1485	.1824

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WEVERTC4 + SPDBRK

(RJPC27) ( 06 MAY 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = 10.000 AILRON = .000  
 SPDBRK = 25.000 MACH = .200

RN/L ( 1 ) = 6.284 ALPHA ( 1 ) = -2.044 BETA = .0000 MACH = .19918 Q(PSF) = 260.19

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2604	-.2475	-.1245	-.0267	.0641	.1458	.2040	.2343	.2452
24.000							.1464			
27.800	-.1921									
28.700			-.2352							
29.400				-.1309						
30.400								.2060		
31.300					-.0323					
33.800						.0626				
41.000							.1543			
44.800				-.1572				.2048	.2305	
50.100	-.3753	-.3087	-.2787	-.1354	-.0230				.2306	
52.900						.0696				
64.000							.0440			
67.200	-.3872									
71.500								.1504		
72.200					-.1424					
75.900						-.0668				
82.800							.1529			
92.200							.1485			
93.000	-.4950									
93.500								.1988		
94.000				-.2873						
99.100						.0397				
101.400	-.4845		-.4631	-.4563	-.3081				.2233	
103.400	-.4760									
105.900					-.1196					
106.100							.1330			
115.600	-.4675	-.4911	-.5506	-.3036					.2274	
117.600					-.0978					
119.000						.0503				
120.500							.1212			
124.400								.1770		
133.100					-.1082					
133.500						.0426				
133.800	-.5286	-.5095	-.5936	-.3345					.2297	
134.000							.1168			
142.500							.1118			
147.300						.0126				

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 197

LARC LTPT 229(LA81) W6IVRTCH + SPDBRK

(RJPC27)

RN/L ( 1 ) = 6.284 ALPHA ( 1 ) = -2.044

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB		.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI											
148.100						-.1561					
149.100	-.5077	-.5232	-.5335	-.3658						.2309	
156.200						-.0337					
157.900						-.1775					
159.500	-.6061										
180.000	-.4957	-.4674	-.4584	-.3272	-.1493	-.0442	.0945	.1936	.2332	.2452	

RN/L ( 1 ) = 6.287 ALPHA ( 2 ) = .000 BETA = .00000 MACH = .19918 Q(PSF) = 260.19

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB		.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI											
.000			-.2590	-.2513	-.1290	-.0351	.0523	.1342	.1981	.2296	.2425
24.000								.1353			
27.800	-.1917										
28.700			-.2359								
29.400				-.1380							
30.400								.1989			
31.300					-.0407						
33.800						.0497					
41.000							.1427				
44.800				-.1708				.1989	.2263		
50.100	-.4007	-.2960	-.2784	-.1420	-.0354				.2275		
52.900						.0536					
64.000							.0379				
67.200	-.4912							.1366			
71.500											
72.200					-.1604						
75.900						-.0715					
82.800							.1511				
92.200							.1490				
93.000	-.5055										
93.500								.1993			
94.000				-.2968							
99.100						.0316					
101.400	-.4986		-.4789	-.4681	-.3194					.2213	
103.400	-.4873										
105.900					-.1343						
106.100							.1396				
115.600	-.4697	-.4964	-.5575	-.3138					.2298		
117.600					-.0949						
119.000						.0494					
120.500							.1287				

LARC LTPT 229(LA81) W6TVRCH + SPDBRK

(RJPC27)

RN/L ( 1 ) = 6.287 ALPHA ( 2 ) = .000

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
124.400								.1753		
133.100					-.0967					
133.500						.0490				
133.800	-.5463	-.5205	-.5921	-.3235					.2317	
134.000							.1212			
142.500							.1221			
147.300						.0307				
148.100					-.1290					
149.100	-.5268	-.5378	-.5323	-.3495					.2308	
156.200						-.0067				
157.900					-.1555					
159.500	-.6230									
180.000	-.5370	-.4876	-.4566	-.3161	-.1621	-.0168	.1127	.1934	.2310	.2425

RN/L ( 1 ) = 6.289 ALPHA ( 3 ) = 2.537 BETA = .00000 MACH = .19918 Q(PSF) = 260.19

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2567	-.2545	-.1379	-.0493	.0350	.1163	.1818	.2155	.2290
24.000							.1165			
27.800	-.1854									
28.700		-.2382								
29.400			-.1447							
30.400								.1872		
31.300				-.0542						
33.800					.0317					
41.000						.1219				
44.800				-.1838				.1878	.2148	
50.100	-.3707	-.2802	-.2815	-.1538	-.0551				.2153	
52.900						.0313				
64.000							.0282			
67.200	-.4979									
71.500								.1250		
72.200				-.1775						
75.900					-.0788					
82.800						.1453				
92.200						.1470				
93.000	-.5210									
93.500								.1947		
94.000				-.3047						
99.100						.0216				
101.400	-.5105		-.4930	-.4777	-.3289				.2125	

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WEI:VRTC4 + SPDBRK

(RJPC27)

RN/L ( 1 ) = 6.289 ALPHA ( 3 ) = 2.537

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
103.400	-.4993									
105.900					-.1544					
106.100							.1401			
115.600	-.4781	-.5036	-.5700	-.3325					.2166	
117.600					-.0929					
119.000						.0478				
120.500							.1349			
124.400								.1744		
133.100					-.0813					
133.500						.0557				
133.800	-.5659	-.5332	-.5872	-.3090					.2182	
134.000							.1261			
142.500							.1300			
147.300						.0476				
148.100					-.0981					
149.100	-.5481	-.5501	-.5261	-.3225					.2212	
156.200						.0247				
157.900					-.1216					
159.500	-.6352									
180.000	-.5570	-.4942	-.4574	-.2919	-.1301	.0176	.1274	.1872	.2204	.2290

RN/L ( 1 ) = 6.263 ALPHA ( 4 ) = 4.299 BETA = .00000 MACH = .19918 Q(PSF) = 260.19

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2555	-.2541	-.1435	-.0577	.0244	.1040	.1768	.2142	.2315
24.000							.1034			
27.800	-.1831									
28.700			-.2407							
29.400				-.1500						
30.400								.1788		
31.300					-.0628					
33.800						.0202				
41.000							.1057			
44.800				-.1935				.1793	.2143	
50.100	-.3431	-.2774	-.2815	-.1594	-.0681				.2150	
52.900						.0154				
64.000							.0203			
67.200	-.5041									
71.500								.1195		
72.200					-.1832					
75.900						-.0863				

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DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 200

LARC LTPT 229(LA81) WBRVTC4 + SPDBRK

(RJPC27)

RN/L ( 1 ) = 6.263 ALPHA ( 4 ) = 4.299

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
82.800							.365			
92.200							.451			
93.000	-.5273									
93.500								.1946		
94.000				-.3121						
99.100						.0127				
101.400	-.5199		-.4996	-.4831	-.3348				.2158	
103.400	-.5056									
105.900					-.1689					
106.100							.381			
115.600	-.4878	-.5122	-.5843	-.3472					.2175	
117.600					-.0926					
119.000						.0489				
120.500							.378			
124.400								.1755		
133.100					-.0749					
133.500						.0584				
133.800	-.5813	-.5434	-.5842	-.3001					.2200	
134.000							.1297			
142.500							.322			
147.300						.0545				
148.100					-.0803					
149.100	-.5625	-.5583	-.5209	-.3054					.2268	
156.200						.0372				
157.900					-.1068					
159.500	-.6418									
180.000	-.5585	-.5044	-.4434	-.2856	-.1148	.0275	.325	.1889	.2221	.2315

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 201

LARC LTPT 229(LA81) WB' VRTC4 + SPDBRK

(RJPC28) ( 06 MAY 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = 10.000 AILRON = .000  
 SPDBRK = 25.000 MACH = .200

RN/L ( 1 ) = 7.913 ALPHA ( 1 ) = -2.054 BETA = .07000 MACH = .19928 Q(PSF) = 335.84

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2608	-.2396	-.1232	-.0277	.0626	.1439	.2055	.2384	.2511
24.000							.1434			
27.800	-.1863									
28.700			-.2356							
29.400				-.1316						
30.400								.2054		
31.300					-.0334					
33.800						.0596				
41.000							.1447			
44.800				-.1673				.2063	.2347	
50.100	-.3690	-.2945	-.2798	-.1362	-.0263				.2339	
52.900						.0570				
64.000							.0439			
67.200	-.4829									
71.500								.1509		
72.200					-.1444					
75.900						-.0692				
82.800							.0567			
92.200							.1497			
93.000	-.4973									
93.500								.2032		
94.000				-.2902						
99.100						.0373				
101.400	-.4843		-.4683	-.4603	-.3133				.2279	
103.400	-.4793									
105.900					-.1221					
106.100							.373			
115.600	-.4712	-.4973	-.5553	-.3071					.2342	
117.600					-.0980					
119.000						.0515				
120.500							.258			
124.400								.1837		
133.100					-.1095					
133.500						.0438				
133.800	-.5345	-.5123	-.5976	-.3404					.2354	
134.000							.212			
142.500							.127			
147.300						.0103				

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 202

LARC LTPT 229(LAB1) WBEVRTC4 + SPOBRK

(RJPC28)

RN/L ( 1 ) = 7.913 ALPHA ( 1 ) = -2.054

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
148.100					-.1615						
149.100	-.5127	-.5284	-.5346	-.3690					.2346		
156.200						-.0363					
157.900					-.1787						
159.500	-.6073										
180.000	-.5012	-.4850	-.4640	-.3271	-.1858	-.0445	.0369	.1976	.2354	.2511	

RN/L ( 1 ) = 7.837 ALPHA ( 2 ) = .050 BETA = .00700 MACH = .19928 Q(PSF) = 335.84

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.2574	-.2416	-.1292	-.0360	.0510	.1304	.1951	.2323	.2457	
24.000							.1323				
27.800	-.1837										
28.700			-.2390								
29.400				-.1388							
30.400								.1981			
31.300					-.0428						
33.800						.0474					
41.000							.1302				
44.800				-.1750				.1985	.2298		
50.100	-.3752	-.2716	-.2846	-.1437	-.0405				.2281		
52.900						.0432					
64.000							.0384				
67.200	-.4904										
71.500								.1377			
72.200					-.1627						
75.900						-.0730					
82.800							.1540				
92.200							.1512				
93.000	-.5085										
93.500								.2036			
94.000				-.2977							
99.100						.0282					
101.400	-.5003		-.4833	-.4730	-.3259				.2241		
103.400	-.4898										
105.900					-.1388						
106.100							.1134				
115.600	-.4741	-.5018	-.5629	-.3179					.2303		
117.600					-.0971						
119.000						.0498					
120.500							.1332				

DATE 05 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 203

LARC LTPT 229(LAB1) WBE RTC4 + SPDBRK

(RJPC28)

RN/L ( 1 ) = 7.837 ALPHA ( 2 ) = .050

SECTION ( 1 ) TAIL CONE				DEPENDENT VARIABLE ^P						
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
124.400								.1765		
133.100					-.0977					
133.500						.0509				
133.800	-.5510	-.5241	-.5958	-.3275					.2323	
134.000							.1744			
142.500							.1769			
147.300						.0300				
148.100					-.1332					
149.100	-.5342	-.5418	-.5346	-.3499					.2332	
156.200						-.0095				
157.900					-.1569					
159.500	-.6296									
180.000	-.5365	-.5031	-.4604	-.3262	-.1627	-.0219	.1124	.1995	.2352	.2457

RN/L ( 1 ) = 7.991 ALPHA ( 3 ) = 2.396 BETA = .00300 MACH = .19928 Q(PSF) = 335.84

SECTION ( 1 ) TAIL CONE				DEPENDENT VARIABLE CP						
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2578	-.2466	-.1376	-.0498	.0339	.1122	.1821	.2183	.2389
24.000							.1139			
27.800	-.1766									
28.700			-.2423							
29.400				-.1472						
30.400								.1828		
31.300					-.0553					
33.800						.0301				
41.000							.1191			
44.800				-.1850				.1876	.2165	
50.100	-.3696	-.2733	-.2893	-.1530	-.0553				.2194	
52.900						.0216				
64.000							.0292			
67.200	-.4967									
71.500								.1243		
72.200					-.1778					
75.900						-.0807				
82.800							.1465			
92.200							.1496			
93.000	-.5238									
93.500								.1995		
94.000				-.3081						
99.100						.0195				
101.400	-.5158		-.4950	-.4827	-.3332				.2210	

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 204

LARC LTPT 229(LA81) WBEVRTC4 + SPOBRK

(RJPC28)

RN/L ( 1 ) = 7.991 ALPHA ( 3 ) = 2.396

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
103.400	-.5020									
105.900					-.1585					
106.100							.1440			
115.600	-.4810	-.5084	-.5782	-.3351					.2234	
117.600					-.0948					
119.000						.0484				
120.500							.1380			
124.400								.1742		
133.100					-.0834					
133.500						.0574				
133.800	-.5733	-.5360	-.5912	-.3140					.2297	
134.000							.1273			
142.500							.1305			
147.300						.0460				
148.100					-.1017					
149.100	-.5524	-.5536	-.5302	-.3256					.2285	
156.200						.0205				
157.900					-.1251					
159.500	-.6406									
180.000	-.5596	-.4999	-.4596	-.3001	-.1309	.0130	.1288	.1930	.2253	.2389

RN/L ( 1 ) = 7.918 ALPHA ( 4 ) = 4.158 BETA = .00000 MACH = .19928 Q(PSF) = 335.84

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2550	-.2475	-.1429	-.0592	.0255	.1022	.1767	.2187	.2362
24.000							.1036			
27.800	-.1733									
28.700			-.2450							
29.400				-.1516						
30.400								.1783		
31.300					-.0621					
33.800						.0198				
41.000							.0974			
44.800				-.1899				.1804	.2161	
50.100	-.3610	-.2794	-.2877	-.1559	-.0672				.2162	
52.900						.0076				
64.000							.0220			
67.200	-.5030									
71.500								.1242		
72.200					-.1822					
75.900						-.0865				

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC4 + SPDBRK

(RJPC28)

RN/L ( 1 ) = 7.918 ALPHA ( 4 ) = 4.158

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE (P)									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2 00	1.2490	1.2800	1.2870	
PHI											
82.800							.1432				
92.200							.1487				
93.000	-.5301										
93.500								.1975			
94.000				-.3124							
99.100						.0125					
101.400	-.5231		-.5021	-.4863	-.3381				.2180		
103.400	-.5069										
105.900					-.1717						
106.100							.1437				
115.600	-.4888	-.5172	-.5895	-.3523					.2208		
117.600					-.0954						
119.000						.0505					
120.500							.1423				
124.400								.1797			
133.100					-.0761						
133.500						.0596					
133.800	-.5849	-.5459	-.5880	-.3053					.2244		
134.000							.1320				
142.500							.1376				
147.300						.0559					
148.100					-.0832						
149.100	-.5641	-.5608	-.5209	-.3075					.2271		
156.200						.0385					
157.900					-.1084						
159.500	-.6465										
180.000	-.5713	-.5101	-.4524	-.2837	-.1184	.0282	.1765	.1910	.2298	.2362	

RN/L ( 1 ) = 7.967 ALPHA ( 5 ) = 5.988 BETA = .00100 MACH = .19928 Q(PSF) = 335.84

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.2684	-.2603	-.1627	-.0759	.0073	.0844	.1620	.2127	.2353	
24.000							.0661				
27.800	-.1839										
28.700			-.2565								
29.400				-.1665							
30.400								.1650			
31.300					-.0784						
33.800						.0021					
41.000							.0781				
44.800				-.2045				.1668	.2121		

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DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4 + SPD8RK

(RJPC28)

RN/L ( 1 ) = 7.967 ALPHA ( 5 ) = 5.988

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2880	1.2870
PHI										
50.100	-.3930	-.3044	-.3005	-.1685	-.0844				.2130	
52.900						-.0115				
64.000							.0061			
67.200	-.5249									
71.500								.1093		
72.200					-.1916					
75.900						-.1023				
82.800							.1877			
92.200							.1396			
93.000	-.5602									
93.500								.1890		
94.000				-.3260						
99.100						-.0005				
101.400	-.5549		-.5236	-.5056	-.3537				.2161	
103.400	-.5259									
105.900					-.1975					
106.100							.1206			
115.600	-.5114	-.5423	-.6155	-.3820					.2195	
117.600					-.1120					
119.000						.0390				
120.500							.1535			
124.400								.1767		
133.100					-.0822					
133.500						.0504				
133.800	-.6121	-.5630	-.5969	-.3083					.2197	
134.000							.1286			
142.500							.1271			
147.300						.0510				
148.100					-.0802					
149.100	-.5842	-.5778	-.5251	-.2991					.2259	
156.200						.0379				
157.900					-.1014					
159.500	-.6621									
180.000	-.5534	-.5065	-.4572	-.2868	-.1101	.0289	.1357	.1905	.2210	.2353

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBE\RTCH + SPDBRK

(RJPC29) ( 06 MAY 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = 10.000 AILRON = .000  
 SPDBRK = 25.000 MACH = .200

RN/L ( 1 ) = 9.914 ALPHA ( 1 ) = -2.074 BETA = .0000 MACH = .19930 Q(PSF) = 427.09

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE (°)

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2601	-.2390	-.1245	-.0296	.0618	.1459	.2078	.2413	.2573
24.000							.1475			
27.800	-.1843									
28.700			-.2384							
29.400				-.1353						
30.400								.2074		
31.300					-.0344					
33.800						.0617				
41.000							.1456			
44.800				-.1694				.2087	.2370	
50.100	-.3601	-.2825	-.2824	-.1353	-.0246				.2363	
52.900						.0600				
64.000							.0480			
67.200	-.4852									
71.500								.1504		
72.200					-.1394					
75.900						-.0702				
82.800							.1576			
92.200							.1530			
93.000	-.5009									
93.500								.2075		
94.000				-.2908						
99.100						.0376				
101.400	-.4898		-.4706	-.4616	-.3159				.2305	
103.400	-.4820									
105.900					-.1247					
106.100							.1397			
115.600	-.4732	-.5005	-.5631	-.3104					.2378	
117.600					-.1015					
119.000						.0522				
120.500							.1298			
124.400								.1868		
133.100					-.1139					
133.500						.0423				
133.800	-.5389	-.5137	-.6030	-.3473					.2370	
134.000							.1205			
142.500							.1113			
147.300						.0076				



DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 208

LARC LTPT 229(LA81) WBEVRTC4 + SPDBRK.

(RJPC29)

RN/L ( 1 ) = 9.914 ALPHA ( 1 ) = -2.074

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE C <sup>2</sup>									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
148.100					-.1665						
149.100	-.5163	-.5347	-.5365	-.3713					.2372		
156.200						-.0406					
157.900					-.1823						
159.500	-.6109										
180.000	-.4935	-.4768	-.4626	-.3352	-.1882	-.0466	.0530	.2000	.2420	.2573	

RN/L ( 1 ) = 9.945 ALPHA ( 2 ) = -.111 BETA = .00000 MACH = .19930 Q(PSF) = 427.09

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE C <sup>2</sup>									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.2603	-.2440	-.1298	-.0377	.0518	.1333	.1975	.2344	.2495	
24.000							.1342				
27.800	-.1848										
28.700			-.2428								
29.400				-.1395							
30.400								.1988			
31.300					-.0426						
33.800						.0482					
41.000							.1307				
44.800				-.1802				.2010	.2315		
50.100	-.3604	-.2818	-.2885	-.1456	-.0391				.2312		
52.900						.0410					
64.000							.0402				
67.200	-.4934										
71.500								.1345			
72.200					-.1602						
75.900						-.0757					
82.800							.1541				
92.200							.1527				
93.000	-.5118										
93.500								.2063			
94.000				-.3005							
99.100						.0270					
101.400	-.5099		-.4866	-.4734	-.3281				.2253		
103.400	-.4930										
105.900					-.1400						
106.100							.1460				
115.600	-.4764	-.5076	-.5698	-.3209					.2348		
117.600					-.0991						
119.000						.0502					
120.500							.1155				

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 209

LARC LTPT 229(LAB1) WBEVRTC4 + SPDBRK

(RJPC29)

RN/L ( 1 ) = 9.945 ALPHA ( 2 ) = -.111

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
124.400								.1802		
133.100					-.0991					
133.500						.0502				
133.800	-.5557	-.5277	-.5991	-.3336					.2364	
134.000							.1210			
142.500							.1233			
147.300						.0269				
148.100					-.1396					
149.100	-.5382	-.5488	-.5366	-.3555					.2364	
156.200						-.0151				
157.900					-.1633					
159.500	-.6335									
180.000	-.5245	-.4930	-.4702	-.3225	-.1681	-.0280	.1038	.2002	.2373	.2495

RN/L ( 1 ) = 9.976 ALPHA ( 3 ) = 2.406 BETA = .00030 MACH = .19930 Q(PSF) = 427.09

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2611	-.2502	-.1387	-.0523	.0314	.1123	.1806	.2186	.2364
24.000							.1120			
27.800	-.1812									
28.700			-.2441							
29.400				-.1497						
30.400								.1830		
31.300					-.0581					
33.800						.0288				
41.000							.1033			
44.800				-.1914				.1857	.2188	
50.100	-.3596	-.2733	-.2927	-.1569	-.0594				.2216	
52.900						.0185				
64.000							.0283			
67.200	-.5009									
71.500								.1254		
72.200					-.1790					
75.900						-.0849				
82.800							.1479			
92.200							.1434			
93.000	-.5275									
93.500								.2002		
94.000				-.3102						
99.100						.0170				
101.400	-.5211		-.4986	-.4845	-.3373				.2186	

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 210

LARC LTPT 229(LA81) WBEVRTCH + SPDBRK

(RJPC29)

RN/L ( 1 ) = 9.976 ALPHA ( 3 ) = 2.406

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
103.400	-.5059									
105.900					-.1612					
106.100							.1458			
115.600	-.4841	-.5136	-.5837	-.3401					.2252	
117.600					-.0958					
119.000						.0499				
120.500							.1402			
124.400								.1771		
133.100					-.0831					
133.500						.0574				
133.800	-.5750	-.5385	-.5966	-.3176					.2277	
134.000							.1260			
142.500							.1335			
147.300						.0466				
148.100					-.1061					
149.100	-.5597	-.5602	-.5325	-.3277					.2276	
156.200						.0175				
157.900					-.1292					
159.500	-.6506									
180.000	-.5544	-.4975	-.4584	-.3017	-.1310	.0077	.1284	.1932	.2280	.2364

RN/L ( 1 ) = 9.916 ALPHA ( 4 ) = 4.048 BETA = .00000 MACH = .19930 Q(PSF) = 427.09

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
.000		-.2568	-.2524	-.1453	-.0597	.0235	.1023	.1739	.2168	.2391
24.000							.1030			
27.800	-.1769									
28.700			-.2459							
29.400				-.1550						
30.400								.1759		
31.300					-.0642					
33.800						.0184				
41.000							.0953			
44.800				-.1953				.1781	.2116	
50.100	-.3574	-.2655	-.2950	-.1593	-.0662				.2154	
52.900						.0050				
64.000							.029			
67.200	-.5061									
71.500								.1194		
72.200					-.1818					
75.900						-.0887				

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVPTC4 + SPDBRK

(RJPC29)

RN/L ( 1 ) = 9.916 ALPHA ( 4 ) = 4.048

SECTION ( 1 )	TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2880	1.2870	
PH1											
82.800							.1470				
92.200							.1502				
93.000	-.5345										
93.500								.1994			
94.000				-.3158							
99.100						.0113					
101.400	-.5275		-.5057	-.4874	-.3398				.2238		
103.400	-.5111										
105.900						-.1761					
106.100							.1439				
115.600	-.4902	-.5223	-.5946	-.3530					.2186		
117.600					-.0974						
119.000						.0532					
120.500							.1476				
124.400								.1840			
133.100					-.0768						
133.500						.0626					
133.800	-.5892	-.5464	-.5908	-.3077					.2290		
134.000							.1338				
142.500							.1379				
147.300						.0561					
148.100					-.0844						
149.100	-.5684	-.5652	-.5239	-.3075					.2290		
156.200						.0347					
157.900					-.1117						
159.500	-.6565										
180.000	-.5649	-.5053	-.4637	-.2830	-.1175	.0199	.1361	.1962	.2291	.2391	

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVPTCH + SPDBRK

(RJPC30) ( 06 MAY 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = 10.000 AILRON = .000  
 SPDBRK = 25.000 MACH = .200

RN/L ( 1 ) = 4.011 ALPHA ( 1 ) = -2.266 BETA = .00010 MACH = .19973 Q(PSF) = 169.06

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2566	-.2417	-.1221	-.0262	.0602	.1374	.1921	.2262	.2343
24.000							.1361			
27.800	-.1935									
28.700			-.2265							
29.400				-.1298						
30.400								.1932		
31.300					-.0324					
33.800						.0592				
41.000							.1385			
44.800				-.1577				.1944	.2225	
50.100	-.3537	-.2898	-.2747	-.1366	-.0259				.2222	
52.900						.0562				
64.000							.0467			
67.200	-.4707									
71.500								.1467		
72.200					-.1446					
75.900						-.0619				
82.800							.1476			
92.200							.1424			
93.000	-.4855									
93.500								.1888		
94.000				-.2824						
99.100						.0442				
101.400	-.4749		-.4637	-.4520	-.2997				.2164	
103.400	-.4679									
105.900					-.1131					
106.100							.1296			
115.600	-.4599	-.4802	-.5379	-.2946					.2208	
117.600					-.0935					
119.000						.0536				
120.500							.1175			
124.400								.1710		
133.100					-.1037					
133.500						.0433				
133.800	-.5172	-.5025	-.5837	-.3260					.2209	
134.000							.1167			
142.500							.1131			
147.300						.0170				

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVTC4 + SPDBRK

(RJPC30)

RN/L ( 1 ) = 4.011 ALPHA ( 1 ) = -2.255

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CF

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
148.100					-.1489					
149.100	-.4995	-.5135	-.5277	-.3604					.2213	
156.200						-.0259				
157.900					-.1728					
159.500	-.5896									
180.000	-.4963	-.4659	-.4569	-.3245	-.1767	-.0377	.0952	.1890	.2248	.2343

RN/L ( 1 ) = 4.007 ALPHA ( 2 ) = .383 BETA = .00000 MACH = .19973 Q(PSF) = 169.06

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CF

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2543	-.2464	-.1281	-.0359	.0480	.1246	.1830	.2195	.2258
24.000							.1258			
27.800	-.1923									
28.700		-.2311								
29.400			-.1357							
30.400								.1851		
31.300					-.0435					
33.800						.0449				
41.000							.1258			
44.800				-.1688				.1861	.2170	
50.100	-.3293	-.2755	-.2776	-.1466	-.0413				.2145	
52.900						.0407				
64.000							.0364			
67.200	-.4838									
71.500								.1334		
72.200					-.1668					
75.900						-.0691				
82.800							.1450			
92.200							.1437			
93.000	-.5004									
93.500								.1871		
94.000				-.2900						
99.100						.0351				
101.400	-.4927		-.4806	-.4657	-.3134				.2107	
103.400	-.4813									
105.900					-.1313					
106.100							.1362			
115.600	-.4653	-.4861	-.5469	-.3077					.2156	
117.600					-.0910					
119.000						.0506				
120.500							.1211			

LARC LTPT 229(LA81) WBEVFTC4 + SPDBRK

(RJPC30)

RN/L ( 1 ) = 4.007 ALPHA ( 2 ) = .383

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

124.400								.1637		
133.100					-.0885					
133.500						.0495				
133.800	-.5386	-.5158	-.5822	-.3136					.2173	
134.000							.1175			
142.500							.1225			
147.300						.0360				
148.100					-.1165					
149.100	-.5235	-.5301	-.5277	-.3398					.2180	
156.200						.0045				
157.900					-.1456					
159.500	-.6130									
180.000	-.5274	-.4906	-.4610	-.3122	-.1523	-.0096	.1123	.1851	.2204	.2258

RN/L ( 1 ) = 3.997 ALPHA ( 3 ) = 2.094 BETA = .00000 MACH = .19973 Q(PSF) = 169.06

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.2518	-.2469	-.1322	-.0435	.0390	.1144	.1766	.2118	.2228
24.000							.1153			
27.800	-.1858									
28.700			-.2339							
29.400				-.1408						
30.400								.1784		
31.300					-.0507					
33.800						.0351				
41.000							.1160			
44.800				-.1738				.1806	.2096	
50.100	-.3298	-.2697	-.2804	-.1513	-.0502				.2098	
52.900						.0270				
64.000							.0268			
67.200	-.4865									
71.500								.1279		
72.200					-.1742					
75.900						-.0737				
82.800							.1426			
92.200							.1423			
93.000	-.5109									
93.500								.1861		
94.000				-.2972						
99.100						.0283				
101.400	-.5023		-.4870	-.4725	-.3199				.2101	

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVKTC4 + SPOBRK

(RJPC30)

RN/L ( 1 ) = 3.997 ALPHA ( 3 ) = 2.094

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CF

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
103.400	-.4872									
105.900					-.1417					
106.100							.1377			
115.600	-.4703	-.4916	-.5549	-.3187					.2110	
117.600					-.0873					
119.000						.0509				
120.500							.1267			
124.400								.1637		
133.100					-.0781					
133.500						.0537				
133.800	-.5522	-.5240	-.5788	-.3014					.2157	
134.000							.1203			
142.500							.1258			
147.300						.0452				
148.100					-.0963					
149.100	-.5357	-.5371	-.5205	-.3196					.2149	
156.200						.0245				
157.900					-.1222					
159.500	-.6221									
180.000	-.5456	-.4912	-.4522	-.2937	-.1270	.0148	.1205	.1798	.2165	.2228

RN/L ( 1 ) = 3.993 ALPHA ( 4 ) = 4.048 BETA = .00000 MACH = .19973 Q(PSF) = 169.06

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2526	-.2504	-.1421	-.0548	.0255	.1015	.1676	.2064	.2205
24.000							.1011			
27.800	-.1819									
28.700			-.2372							
29.400				-.1471						
30.400								.1703		
31.300					-.0611					
33.800						.0218				
41.000							.0999			
44.800				-.1807				.1724	.2067	
50.100	-.3270	-.2681	-.2840	-.1574	-.0640				.2080	
52.900						.0108				
64.000							.0207			
67.200	-.4919									
71.500								.1163		
72.200					-.1834					
75.900						-.0814				

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DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 216

LARC LTPT 229(LAB1) WBEVRTC4 + SPDBRK

(RJPC30)

RN/L ( 1 ) = 3.993 ALPHA ( 4 ) = 4.048

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

82.800						.1345			
92.200						.1371			
93.000	-.5192								
93.500							.1819		
94.000				-.3047					
99.100					.0171				
101.400	-.5118		-.4966	-.4794	-.3245			.2038	
103.400	-.4964								
105.900					-.1583				
106.100						.1316			
115.600	-.4790	-.5002	-.5703	-.3375				.2097	
117.600					-.0903				
119.000						.0503			
120.500						.1305			
124.400							.1658		
133.100					-.0706				
133.500						.0544			
133.800	-.5663	-.5345	-.5749	-.2910				.2087	
134.000						.1215			
142.500						.1254			
147.300						.0522			
148.100					-.0769				
149.100	-.5501	-.5460	-.5156	-.3007				.2090	
156.200						.0377			
157.900					-.1049				
159.500	-.6294								
180.000	-.5632	-.5058	-.4495	-.2802	-.1107	.0290	.1240	.1784	.2135 .2205

RN/L ( 1 ) = 4.033 ALPHA ( 5 ) = 6.092 BETA = .00000 MACH = .19973 Q(PSF) = 169.06

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.2691	-.2682	-.1590	-.0725	.0080	.0854	.1565	.2028 .2173
24.000							.0855		
27.800	-.1931								
28.700			-.2566						
29.400				-.1667					
30.400								.1578	
31.300					-.0805				
33.800						.0033			
41.000							.0783		
44.800				-.1967				.1594 .1993	

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 217

LARC LTPT 229(LAB1) WBEVR 'C4 + SPDBRK

(RJPC30)

RN/L ( 1 ) = 4.033 ALPHA ( '5 ) = 6.092

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
50.100	-.3375	-.2877	-.2966	-.1721	-.0835				.2003	
52.900						-.0100				
64.000							.0081			
67.200	-.5198									
71.500								.1048		
72.200					-.1957					
75.900						-.0980				
82.800							.1209			
92.200							.1253			
93.000	-.5430									
93.500								.1759		
94.000				-.3199						
99.100						.0057				
101.400	-.5343		-.5180	-.4963	-.3409				.1990	
103.400	-.5196									
105.900					-.1816					
106.100							.1243			
115.600	-.4988	-.5265	-.5979	-.3660					.2024	
117.600					-.1033					
119.000						.0374				
120.500							.1232			
124.400								.1656		
133.100					-.0780					
133.500						.0472				
133.800	-.5915	-.5540	-.5838	-.2971					.2025	
134.000							.1191			
142.500							.1173			
147.300						.0472				
148.100					-.0736					
149.100	-.5735	-.5629	-.5183	-.2916					.2059	
156.200						.0409				
157.900					-.0950					
159.500	-.6461									
160.000	-.5751	-.4937	-.4497	-.2745	-.1064	.0316	.1221	.1703	.2047	.2173

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 218 22

LARC LTPT 229(LA81) WBEVRIC4 + SPDBRK

(RJPC30)

RN/L (1) = 4.003 ALPHA (6) = 8.166 BETA = .00000 MACH = .19973 Q(PSF) = 169.06

SECTION (1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2929	-.2959	-.1891	-.0995	-.0153	.0672	.1432	.1937	.2083
24.000							.0662			
27.800	-.2196									
28.700			-.2781							
29.400				-.1919						
30.400								.1434		
31.300					-.1021					
33.800						-.0189				
41.000							.0599			
44.800				-.2216				.1414	.1879	
50.100	-.3716	-.3610	-.3238	-.1935	-.1031				.1916	
52.900						-.0281				
64.000							-.0087			
67.200	-.5691									
71.500								.0950		
72.200					-.2151					
75.900						-.1180				
82.800							.1083			
92.200							.1149			
93.000	-.5997									
93.500								.1650		
94.000				-.3413						
99.100						-.0113				
101.400	-.6197		-.5860	-.5496	-.3778				.1925	
103.400	-.5708									
105.900					-.2036					
106.100							.1157			
115.600	-.5661	-.5864	-.6417	-.4035					.1984	
117.600					-.1285					
119.000						.0252				
120.500							.1132			
124.400								.1540		
133.100					-.1048					
133.500						.0255				
133.800	-.6357	-.5906	-.6127	-.3220					.2010	
134.000							.1087			
142.500							.1071			
147.300						.0332				
148.100					-.0957					
149.100	-.6054	-.5861	-.5361	-.3073					.1993	
156.200						.0208				
157.900					-.1174					
159.500	-.6810									
180.000	-.6151	-.5046	-.4682	-.2966	-.1298	.0051	.1085	.1714	.1996	.2083

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 219

LARC LTPT 229(LAB1) WBEVRVC4 + SPDBRK

(RJPC30)

RN/L ( 1 ) = 4.028 ALPHA ( 7 ) = 10.019 BETA = .00000 MACH = .19973 Q(PSF) = 169.06

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3146	-.3158	-.2098	-.1219	-.0359	.0490	.1293	.1851	.2095
24.000							.0482			
27.800	-.2396									
28.700			-.3029							
29.400				-.2126						
30.400								.1294		
31.300					-.1249					
33.800						-.0399				
41.000							.0467			
44.800				-.2385				.1281	.1808	
50.100	-.3679	-.3654	-.3309	-.2041	-.1153				.1842	
52.900						-.0449				
64.000							-.0330			
67.200	-.6117									
71.500								.0771		
72.200					-.2351					
75.900						-.1399				
82.800							.0903			
92.200							.0953			
93.000	-.6503									
93.500								.1456		
94.000				-.3819						
99.100						-.0346				
101.400	-.6926		-.6579	-.6154	-.4256				.1821	
103.400	-.6173									
105.900					-.2288					
106.100							.0920			
115.600	-.6237	-.6414	-.7121	-.4484					.1931	
117.600					-.1471					
119.000						.0181				
120.500							.0931			
124.400								.1439		
133.100					-.1290					
133.500						.0117				
133.800	-.6710	-.6296	-.6362	-.3538					.1941	
134.000							.0899			
142.500							.0824			
147.300							.0070			
148.100					-.1273					
149.100	-.6353	-.6185	-.5603	-.3385					.1919	
156.200						-.0156				
157.900					-.1508					
159.500	-.7152									
180.000	-.6470	-.5238	-.4986	-.3266	-.1619	-.0271	.0825	.1587	.1894	.2095

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 220

LARC LTPT 229(LAB1) WBEVR-C4+SPDBRK

(RJPC31) ( 11 MAR 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = .000 AILRON = .000  
 SPDBRK = 55.000 MACH = .200

RN/L ( 1 ) = 2.057 ALPHA ( 1 ) = -1.963 BETA = .00000 MACH = .19971 Q(PSF) = 86.114

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2813	-.2673	-.1278	-.0312	.0447	.1002	.1419	.1725	.1715
24.000							.0994			
27.800	-.2159									
28.700			-.2255							
29.400				-.1294						
30.400								.1354		
31.300					-.0389					
33.800						.0390				
41.000							.0920			
44.800				-.1573				.1330	.1734	
50.100	-.3478	-.3532	-.3026	-.1555	-.0572				.1705	
52.900						.0289				
64.000							.0057			
67.200	-.4298									
71.500								.0812		
72.200					-.1903					
75.900						-.0873				
82.800							.0895			
92.200							.0869			
93.000	-.4479									
93.500								.1270		
94.000				-.3005						
99.100							-.0145			
101.400	-.4395		-.4444	-.4604	-.3280				.1560	
103.400	-.4263									
105.900					-.1662					
106.100							.0797			
115.600	-.4190	-.4461	-.5278	-.3274					.1795	
117.600					-.1667					
119.000						-.0128				
120.500							.0323			
124.400								.0904		
133.100					-.2068					
133.500						-.0392				
133.800	-.4568	-.4811	-.6311	-.4219					.1750	
134.000							.0446			
142.500							.0545			
147.300						-.0516				

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 221

LARC LTPT 229(LA81) WBEVR1C4+SPDBRK

(RJPC31)

RN/L ( 1 ) = 2.057 ALPHA ( 1 ) = -1.963

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

148.100										
149.100	-.3717	-.4410	-.6587	-.6541					.1799	
156.200						-.0355				
157.900						-.3774				
159.500	-.4137									
180.000	-.3029	-.4022	-.6274	-.6273	-.3596	-.0489	.0671	.1235	.1789	.1715

RN/L ( 1 ) = 2.058 ALPHA ( 2 ) = .010 BETA = .00000 MACH = .19971 Q(PSF) = 86.114

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.2809	-.2723	-.1306	-.0364	.0373	.0972	.1390	.1697	.1506
24.000							.0961			
27.800	-.2115									
28.700			-.2243							
29.400				-.1332						
30.400								.1332		
31.300					-.0454					
33.800						.0324				
41.000							.0907			
44.800				-.1618				.1316	.1695	
50.100	-.3518	-.3502	-.3106	-.1603	-.0649				.1685	
52.900						.0185				
54.000							-.0037			
67.200	-.4397									
71.500								.0786		
72.200					-.1977					
75.900						-.0977				
82.800							.0842			
92.200							.0824			
93.000	-.4598									
93.500								.1182		
94.000				-.3098						
99.100						-.0253				
101.400	-.4542		-.4585	-.4732	-.3411				.1580	
103.400	-.4362									
105.900					-.1814					
106.100							.0802			
115.600	-.4249	-.4507	-.5372	-.3391					.1849	
117.600					-.1839					
119.000						-.0169				
120.500							.0410			

LARC LTPT 229(LA81) WBEVRTC4+SPDBRK

(RJPC31)

RN/L ( 1 ) = 2.058 ALPHA ( 2 ) = .010

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

124.400							.0629		
133.100				-.1954					
133.500					-.0327				
133.800	-.4686	-.4872	-.6240	-.4092				.1773	
134.000						.0343			
142.500						.0361			
147.300					-.0446				
148.100				-.2592					
149.100	-.3912	-.4534	-.6583	-.6328				.1783	
156.200					-.0215				
157.900				-.3283					
159.500	-.4363								
180.000	-.3326	-.4203	-.6276	-.6088	-.3089	-.0228	.0435	.1177	.1815
								.1506	

RN/L ( 1 ) = 2.053 ALPHA ( 3 ) = 1.943 BETA = .00000 MACH = .19971 Q(PSF) = 1

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.2826	-.2785	-.1421	-.0494	.0247	.0865	.1385	.1686	.1313
24.000							.0843			
27.800	-.2100									
28.700			-.2305							
29.400				-.1417						
30.400								.1335		
31.300					-.0572					
33.800						.0190				
41.000							.0783			
44.800				-.1677				.1315	.1689	
50.100	-.3413	-.3370	-.3141	-.1632	-.0770			.1670		
52.900						.0041				
64.000							-.0122			
67.200	-.4475									
71.500								.0689		
72.200					-.2044					
75.900						-.1093				
82.800							.0763			
92.200							.0711			
93.000	-.4711									
93.500								.1151		
94.000				-.3168						
99.100						-.0312				
101.400	-.4657		-.4683	-.4807	-.3471			.1712		

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC-+SPDBRK

(RJPC31)

RN/L ( 1 ) = 2.053 ALPHA ( 3 ) = 1.943

SECTION ( 1 )	TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
103.400	-.4456										
105.900					-.1967						
106.100							.0758				
115.600	-.4308	-.4569	-.5473	-.3517					.1801		
117.600					-.1613						
119.000						-.0197					
120.500							.0401				
124.400								.0840			
133.100					-.1727						
133.500						-.0211					
133.800	-.4798	-.4946	-.6184	-.3922					.1689		
134.000							.0085				
142.500							.0157				
147.300						-.0285					
148.100					-.2090						
149.100	-.4050	-.4650	-.6562	-.5963					.1673		
156.200						-.0201					
157.900					-.2452						
159.500	-.4578										
180.000	-.3561	-.4317	-.6328	-.5619	-.2088	-.0230	.0181	.1139	.1692	.1313	

RN/L ( 1 ) = 2.057 ALPHA ( 4 ) = 3.997 BETA = .00000 MACH = .19971 Q(PSF) = 86.114

SECTION ( 1 )	TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.2827	-.2834	-.1526	-.0619	.0115	.0755	.1331	.1753	.1328	
24.000							.0736				
27.800	-.2070										
28.700			-.2364								
29.400				-.1496							
30.400								.1305			
31.300					-.0677						
33.800						.0062					
41.000							.0639				
44.800				-.1748				.1279	.1741		
50.100	-.3147	-.3208	-.3164	-.1652	-.0877				.1719		
52.900						-.0098					
64.000							-.0182				
67.200	-.4519										
71.500								.0620			
72.200					-.2117						
75.900						-.1180					

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DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC++SPDBRK

(RJPC31)

RN/L ( 1 ) = 2.057 ALPHA ( 4 ) = 3.997

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PH1

82.800

92.200

93.000

93.500

94.000

99.100

101.400

103.400

105.900

106.100

115.600

117.600

119.000

120.500

124.400

133.100

133.500

133.800

134.000

142.500

147.300

148.100

149.100

156.200

157.900

159.500

180.000

.0721

.0652

.1208

-.3217

-.0369

.1957

.0733

.1744

.0507

.0856

-.1580

-.0140

.1660

.0180

.0249

-.0256

-.1565

-.0150

.1685

-.1693

.0303

.1163

.1688

.1328

RN/L ( 1 ) = 2.064 ALPHA ( 5 ) = 6.014 BETA = .00000 MACH = .19971 Q(PSF) = 86.114

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PH1

.000

24.000

27.800

28.700

29.400

30.400

31.300

33.800

41.000

44.800

-.2948

-.2994

-.1707

-.0807

-.0068

.0589

.1224

.1766

.1627

.0575

-.2169

-.2523

-.1665

-.0860

-.0124

.0462

.1209

-.1874

.1168

.1761

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK

(RJPC31)

RN/L ( 1 ) = 2.064 ALPHA ( 5 ) = 6.014

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
50.100	-.3050	-.3267	-.3352	-.1778	-.1028				.1705	
52.900						-.0284				
64.000							-.0324			
67.200	-.4709									
71.500								.0506		
72.200					-.2218					
75.900						-.1305				
82.800							.0633			
92.200							.0560			
93.000	-.4935									
93.500								.1212		
94.000				-.3313						
99.100						-.0436				
101.400	-.4993		-.4963	-.4997	-.3605				.1873	
103.400	-.4687									
105.900					-.2288					
106.100							.0700			
115.600	-.4615	-.4879	-.5856	-.3933					.1705	
117.600					-.1684					
119.000						-.0276				
120.500							.0580			
124.400								.1036		
133.100					-.1528					
133.500						-.0185				
133.800	-.5169	-.5185	-.6174	-.3731					.1722	
134.000							.0366			
142.500							.0264			
147.300						-.0295				
148.100					-.1474					
149.100	-.4465	-.4930	-.6561	-.5314					.1787	
156.200						-.0362				
157.900					-.1297					
159.500	-.5011									
180.000	-.4002	-.4716	-.6356	-.5043	-.1607	-.0097	.0448	.1321	.1827	.1627

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK

(RJPC31)

RN/L ( 1 ) = 2.060 ALPHA ( 6 ) = 8.095 BETA = .00000 MACH = .19971 Q(PSF) = 86.114

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2970
PHI										
.000		-.3214	-.3296	-.1956	-.1028	-.0261	.0423	.1116	.1747	.1811
24.000							.0404			
27.800	-.2499									
28.700			-.2738							
29.400				-.1881						
30.400								.1115		
31.300					-.1058					
33.800						-.0310				
41.000							.0316			
44.800				-.2087				.1093	.1757	
50.100	-.3241	-.3570	-.3605	-.1988	-.1210				.1722	
52.900						-.0458				
64.000							-.0418			
67.200	-.5359									
71.500								.0300		
72.200					-.2354					
75.900						-.1406				
82.800							.0598			
92.200							.0596			
93.000	-.5711									
93.500								.1146		
94.000				-.3451						
99.100						-.0382				
101.400	-.5611		-.5487	-.5378	-.3866				.1803	
103.400	-.5321									
105.900					-.2374					
106.100							.0715			
115.600	-.5101	-.5307	-.6196	-.4210					.1783	
117.600					-.1872					
119.000						-.0294				
120.500							.0717			
124.400								.1287		
133.100					-.1769					
133.500						-.0258				
133.800	-.5528	-.5485	-.6389	-.3995					.1825	
134.000							.0606			
142.500							.0674			
147.300						-.0393				
148.100					-.1749					
149.100	-.4774	-.5179	-.6696	-.5419					.1873	
156.200						-.0426				
157.900					-.1591					
159.500	-.5248									
180.000	-.4122	-.4867	-.6641	-.5418	-.2006	-.0103	.0801	.1414	.1901	.1811

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 227

LARC LTPT 229(LAB1) WBEVRTC1+SPDBRK

(RJPC31)

RN/L ( 1 ) = 2.055 ALPHA ( 7 ) = 10.049 BETA = .00000 MACH = .19971 Q(PSF) = 86.114

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3364	-.3445	-.2135	-.1206	-.0429	.0271	.0972	.1650	.1857
24.000							.0241			
27.800	-.2652									
28.700			-.2904							
29.400				-.2046						
30.400								.0994		
31.300					-.1224					
33.800						-.0483				
41.000							.0196			
44.800				-.2226				.0980	.1652	
50.100	-.3345	-.3613	-.3660	-.2156	-.1339				.1641	
52.900						-.0604				
64.000							-.0562			
67.200	-.5835									
71.500								.0174		
72.200					-.2476					
75.900						-.1530				
82.800							.0586			
92.200							.0574			
93.000	-.6276									
93.500								.1207		
94.000				-.3675						
99.100						-.0374				
101.400	-.6227		-.6014	-.5825	-.4115				.1750	
103.400	-.5885									
105.900					-.2477					
106.100							.0649			
115.600	-.5578	-.5745	-.6654	-.4461					.1772	
117.600					-.1981					
119.000						-.0236				
120.500							.0687			
124.400								.1334		
133.100					-.1965					
133.500						-.0269				
133.800	-.5810	-.5730	-.6571	-.4247					.1774	
134.000							.0704			
142.500							.0847			
147.300						-.0390				
148.100					-.2175					
149.100	-.4982	-.5379	-.6875	-.5718					.1795	
156.200						-.0367				
157.900					-.2200					
159.500	-.5450									
180.000	-.4223	-.4915	-.6899	-.5875	-.2527	-.0127	.0913	.1474	.1776	.1857

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 228

LARC LTPT 229(LA81) WBEVRTC+SPDBRK

(RJPC31)

RN/L (1) = 2.062 ALPHA (8) = 12.123 BETA = .00000 MACH = .19971 Q(PSF) = 86.114

SECTION (1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3517	-.3589	-.2330	-.1399	-.0621	.0105	.0833	.1488	.1749
24.000							.0080			
27.800	-.2831									
28.700			-.3098							
29.400				-.2260						
30.400								.0861		
31.300					-.1432					
33.800						-.0690				
41.000							.0122			
44.800				-.2349				.0846	.1469	
50.100	-.3410	-.3475	-.3550	-.2233	-.1421				.1458	
52.900						-.0685				
64.000							-.0675			
67.200	-.6324									
71.500								.0029		
72.200					-.2575					
75.900						-.1664				
82.800							.0435			
92.200							.0417			
93.000	-.6935									
93.500								.0987		
94.000				-.4035						
99.100						-.0547				
101.400	-.6968		-.6738	-.6421	-.4558				.1623	
103.400	-.6574									
105.900					-.2596					
106.100							.0338			
115.600	-.6251	-.6419	-.7225	-.4850					.1632	
117.600					-.2161					
119.000						-.0380				
120.500							.0377			
124.400								.1110		
133.100					-.2157					
133.500						-.0438				
133.800	-.6204	-.6183	-.6849	-.4519					.1656	
134.000							.0446			
142.500							.0577			
147.300						-.0552				
148.100					-.2650					
149.100	-.5254	-.5669	-.7100	-.6087					.1652	
156.200						-.0461				
157.900					-.2953					
159.500	-.5712									
180.000	-.4449	-.5085	-.7173	-.6372	-.3115	-.0476	.0678	.1275	.1649	.1749

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 229

LARC LTPT 229(LA81) WBEVRTC4+SPDBRK

(RJPC31)

RN/L ( 1 ) = 2.061 ALPHA ( 9 ) = 14.076 BETA = .00000 MACH = .19971 Q(PSF) = 86.114

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3614	-.3750	-.2532	-.1639	-.0864	-.0117	.0655	.1313	.1609
24.000							-.0142			
27.800	-.2988									
28.700			-.3326							
29.400				-.2461						
30.400								.0679		
31.300					-.1671					
33.800						-.0916				
41.000							-.0151			
44.800				-.2522				.0636	.1262	
50.100	-.3491	-.3327	-.3613	-.2458	-.1615				.1275	
52.900						-.0911				
64.000							-.1069			
67.200	-.6845									
71.500								-.0316		
72.200					-.2735					
75.900						-.1976				
82.800							.0252			
92.200							.0193			
93.000	-.7662									
93.500								.0734		
94.000				-.4375						
99.100						-.0792				
101.400	-.7614		-.7400	-.6979	-.4985				.1438	
103.400	-.7356									
105.900					-.2877					
106.100							.0143			
115.600	-.6937	-.7068	-.7924	-.5329					.1444	
117.600					-.2578					
119.000						-.0828				
120.500							.0181			
124.400								.0934		
133.100					-.2613					
133.500						-.0915				
133.800	-.6630	-.6550	-.7250	-.4964					.1468	
134.000							.0194			
142.500							.0363			
147.300						-.0924				
148.100					-.3275					
149.100	-.5616	-.6065	-.7602	-.6743					.1472	
156.200						-.0812				
157.900					-.3778					
159.500	-.6072									
160.000	-.4828	-.5292	-.7636	-.6971	-.3861	-.0998	.0427	.1088	.1478	.1609

LARC LTPT 229(LA81) WBEVRTC4+SPDBRK

(RJPC31)

RN/L (1) = 2.060 ALPHA (10) = 16.100 BETA = .00000 MACH = .19971 Q(P5F) = 86.114

SECTION (1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3757	-.3958	-.2820	-.1977	-.1215	-.0453	.0383	.1014	.1245
24.000							-.0454			
27.800	-.3159									
28.700			-.3606							
29.400				-.2751						
30.400								.0378		
31.300					-.1989					
33.800						-.1242				
41.000							-.0607			
44.800				-.2892				.0313	.0950	
50.100	-.3643	-.3595	-.3954	-.2769	-.1999				.0943	
52.900						-.1347				
64.000							-.1648			
67.200	-.6967									
71.500								-.0734		
72.200					-.3047					
75.900						-.2435				
82.800							-.0238			
92.200							-.0369			
93.000	-.8156									
93.500								.0430		
94.000				-.4765						
99.100						-.1391				
101.400	-.8202		-.7813	-.7237	-.5242				.1053	
103.400	-.7988									
105.900					-.3358					
106.100							-.0367			
115.600	-.7672	-.7732	-.8443	-.5755					.1093	
117.600					-.3157					
119.000						-.1488				
120.500							-.0326			
124.400								.0555		
133.100					-.3197					
133.500						-.1614				
133.800	-.7215	-.7038	-.7855	-.5492					.1148	
134.000							-.0146			
142.500							-.0100			
147.300						-.1407				
148.100					-.4108					
149.100	-.6355	-.6741	-.8471	-.7897					.1148	
156.200						-.1369				
157.900					-.4613					
159.500	-.8518									
180.000	-.5529	-.5840	-.8271	-.7695	-.4491	-.1457	-.0005	.0740	.1142	.1245

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 231

LARC LIPT 229(LA81) WBEVRTC4+SPDBRK

(RJPC31)

RN/L (1) = 2.060 ALPHA (11) = 18.154 BETA = .00000 MACH = .19971 Q(PSF) = 86.114

SECTION (1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.4073	-.4320	-.3206	-.2399	-.1589	-.0802	.0090	.0701	.0960
24.000							-.0818			
27.800	-.3472									
28.700			-.3999							
29.400				-.3152						
30.400								.0075		
31.300					-.2369					
33.800						-.1609				
41.000							-.1004			
44.800				-.3329				.0004	.0684	
50.100	-.3927	-.3952	-.4324	-.3203	-.2395				.0697	
52.900						-.1784				
64.000							-.2078			
67.200	-.7500									
71.500								-.1069		
72.200					-.3349					
75.900						-.2899				
82.800							-.0774			
92.200							-.0923			
93.000	-.8262									
93.500								.0023		
94.000				-.5132						
99.100						-.2037				
101.400	-.8382		-.7997	-.7420	-.5746				.0721	
103.400	-.8238									
105.900					-.3994					
106.100							-.0994			
115.600	-.8018	-.8111	-.8898	-.6360					.0734	
117.600					-.3966					
119.000						-.2466				
120.500							-.1061			
124.400								.0032		
133.100					-.3804					
133.500						-.2434				
133.800	-.7690	-.7493	-.8217	-.5823					.0821	
134.000							-.0717			
142.500							-.0504			
147.300						-.2107				
148.100					-.4470					
149.100	-.7305	-.7699	-.9414	-.8848					.0745	
156.200						-.1942				
157.900					-.5270					
159.500	-.6761									
180.000	-.5866	-.6371	-.8870	-.8373	-.5170	-.2045	-.0435	.0428	.0784	.0960



DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 232

LARC LTPT 229(LA81) WBEVRTC4 SPDBRK

(RJPC32) ( 11 MAR 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = .000 AILRON = .000  
 SPDBRK = 55.000 MACH = .200

RN/L ( 1 ) = 4.001 ALPHA ( 1 ) = -2.024 BETA = .00000 MACH = .20042 Q(PSF) = 170.61

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2882	-.2719	-.1345	-.0359	.0443	.1094	.1563	.1933	.1976
24.000							.1073			
27.800	-.2189									
28.700			-.2370							
29.400				-.1343						
30.400								.1514		
31.300					-.0434					
33.800						.0389				
41.000							.1002			
44.800				-.1673				.1470	.1915	
50.100	-.3798	-.3689	-.3159	-.1580	-.0608				.1894	
52.900						.0250				
64.000							.0051			
67.200	-.4385									
71.500								.0870		
72.200					-.1892					
75.900						-.0918				
82.800							.0990			
92.200							.0991			
93.000	-.4570									
93.500								.1471		
94.000				-.3060						
99.100						-.0189				
101.400	-.4477		-.4501	-.4638	-.3382				.1848	
103.400	-.4316									
105.900					-.1706					
106.100							.0943			
115.600	-.4240	-.4568	-.5428	-.3357					.1965	
117.600					-.1689					
119.000						-.0114				
120.500							.0530			
124.400								.1153		
133.100					-.2116					
133.500						-.0371				
133.800	-.4679	-.4811	-.6386	-.4336					.1979	
134.000										
142.500							.0544			
147.300							.0770			
								-.0617		

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 233

LARC LTPT 229(LA81) WBEVRTCH-SPDBRK

(RJPC32)

RN/L ( 1 ) = 4.001 ALPHA ( 1 ) = -2.024

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI	1.000	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
148.100										
149.100	-.3786	-.4485	-.6631	-.6666					.1984	
156.200						-.0386				
157.900					-.3947					
159.500	-.4292									
180.000	-.3077	-.4131	-.6329	-.6425	-.3970	-.0672	.0909	.1525	.1999	.1976

RN/L ( 1 ) = 3.998 ALPHA ( 2 ) = .020 BETA = .00000 MACH = .20042 Q(PSF) = 170.61

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI	1.000	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
.000		-.2857	-.2749	-.1377	-.0413	.0356	.1011	.1530	.1881	.1742
24.000							.1003			
27.800	-.2167									
28.700			-.2372							
29.400				-.1386						
30.400								.1471		
31.300					-.0489					
33.800						.0307				
41.000							.0937			
44.800				-.1711				.1439	.1881	
50.100	-.3614	-.3526	-.3219	-.1615	-.0666				.1841	
52.900						.0143				
64.000							-.0033			
67.200	-.4490									
71.500								.0842		
72.200					-.1965					
75.900						-.1019				
82.800							.0922			
92.200							.0935			
93.000	-.4674									
93.500								.1381		
94.000				-.3161						
99.100						-.0303				
101.400	-.4649		-.4646	-.4784	-.3516				.1671	
103.400	-.4433									
105.900					-.1877					
106.100							.0940			
115.600	-.4300	-.4640	-.5536	-.3489					.2032	
117.600					-.1688					
119.000						-.0149				
120.500							.0645			

ORIGINAL PAGE IS  
OF POOR QUALITY

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 234

LARC LTPT 229(LAB1) WBEVRTC4-SPDBRK

(RJPC32)

RN/L ( 1 ) = 3.998 ALPHA ( 2 ) = .020

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

124.400							.0953		
133.100					-.1983				
133.500						-.0281			
133.800	-.4803	-.4919	-.6337	-.4194				.1909	
134.000							.0555		
142.500							.0709		
147.300						-.0402			
148.100					-.2725				
149.100	-.3988	-.4617	-.6655	-.6396				.1929	
156.200						-.0238			
157.900					-.3385				
159.500	-.4548								
180.000	-.3384	-.4267	-.6428	-.6218	-.3341	-.0288	.0822	.1314	.2089 .1742

RN/L ( 1 ) = 3.999 ALPHA ( 3 ) = 2.034 BETA = .00000 MACH = .20042 Q(PSF) = 170.61

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI									
.000		-.2861	-.2801	-.1468	-.0538	.0232	.0900	.1460	.1881 .1537
24.000							.0876		
27.800	-.2124								
28.700		-.2446							
29.400			-.1466						
30.400								.1438	
31.300					-.0585				
33.800						.0170			
41.000							.0792		
44.800				-.1755				.1415	.1867
50.100	-.3519	-.3380	-.3233	-.1658	-.0775			.1845	
52.900						-.0003			
64.000							-.0106		
67.200	-.4558								
71.500								.0747	
72.200					-.2069				
75.900						-.1145			
82.800							.0846		
92.200							.0844		
93.000	-.4804								
93.500								.1283	
94.000				-.3237					
99.100						-.0351			
101.400	-.4766		-.4755	-.4872	-.3567			.1610	

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 235

LARC LTPT 229(LAB1) WBEVRTC4 SPDBRK

(RJPC32)

RN/L ( 1 ) = 3.999 ALPHA ( 3 ) = 2.034

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 .2490 1.2800 1.2870

PHI										
103.400	-.4528									
105.900					-.2037					
106.100							.0900			
115.600	-.4368	-.4711	-.5632	-.3627					.1873	
117.600					-.1649					
119.000						-.0155				
120.500							.0627			
124.400								.0954		
133.100					-.1780					
133.500						-.0149				
133.800	-.4947	-.4974	-.6279	-.4038					.1825	
134.000							.0408			
142.500							.0545			
147.300						-.0142				
148.100					-.2276					
149.100	-.4182	-.4770	-.6607	-.6053					.1897	
156.200						-.0064				
157.900					-.2623					
159.500	-.4758									
180.000	-.3642	-.4464	-.6449	-.5846	-.2566	-.0072	.0518	.1227	.2016	.1537

RN/L ( 1 ) = 4.012 ALPHA ( 4 ) = 4.007 BETA = .00000 MACH = .20042 Q(PSF) = 170.61

SECTION ( 11 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 .2490 1.2800 1.2870

PHI										
.000		-.2862	-.2843	-.1559	-.0660	.0103	.0750	.1382	.1917	.1749
24.000							.0737			
27.800	-.2081									
28.700		-.2493								
29.400			-.1549							
30.400								.1353		
31.300					-.0700					
33.800						.0043				
41.000							.0626			
44.800				-.1816				.1350	.1921	
50.100	-.3190	-.3228	-.3290	-.1659	-.0893				.1905	
52.900						-.0133				
64.000							-.0202			
67.200	-.4626									
71.500								.0665		
72.200					-.2113					
75.900						-.1208				

LARC LTPT 229(LAB1) WBEVRTCH4+SPDBRK

(RJPC32)

RN/L ( 1 ) = 4.012 ALPHA ( 4 ) = 4.007

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

CLB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
-----	-------	--------	--------	--------	--------	--------	--------	--------	--------	--------

PHI										
82.800							.0774			
92.200							.0751			
93.000	-.4882									
93.500								.1367		
94.000				-.3270						
99.100						-.0398				
101.400	-.4849		-.4823	-.4884	-.3596				.2099	
103.400	-.4607									
105.900					-.2202					
106.100							.0864			
115.600	-.4453	-.4801	-.5777	-.3796					.1882	
117.600					-.1616					
119.000						-.0185				
120.500							.0717			
124.400								.0994		
133.100					-.1606					
133.500						-.0078				
133.800	-.5067	-.5053	-.6231	-.3880					.1826	
134.000							.0465			
142.500							.0486			
147.300						-.0143				
148.100					-.1764					
149.100	-.4355	-.4879	-.6609	-.5675					.1863	
156.200						.0026				
157.900					-.1903					
159.500	-.4950									
180.000	-.3891	-.4676	-.6453	-.5489	-.2108	.0075	.0562	.1290	.2096	.1749

N/L ( 1 ) = 4.008 ALPHA ( 5 ) = 6.132 BETA = .00000 MACH = .20042 Q(PSF) = 170.61

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

CLB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
-----	-------	--------	--------	--------	--------	--------	--------	--------	--------	--------

PHI										
.000		-.2910	-.2912	-.1658	-.0791	-.0045	.0610	.1277	.1914	.1944
24.000							.0605			
27.800	-.2116									
28.700		-.2550								
29.400				-.1645						
30.400								.1271		
31.300					-.0826					
33.800						-.0098				
41.000							.0468			
44.800			-.1863					.1232	.1901	

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTCH+SPDBRK

(RJPC32)

RN/L ( 1 ) = 4.008 ALPHA ( 5 ) = 6.132

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
50.100	-.2985	-.3161	-.3375	-.1714	-.0978				.1907	
52.900						-.0287				
64.000							-.0304			
67.200	-.4665									
71.500								.0527		
72.200					-.2206					
75.900						-.1290				
82.800							.0723			
92.200							.0648			
93.000	-.4958									
93.500								.1321		
94.000				-.3310						
99.100						-.0426				
101.400	-.5016		-.4931	-.4983	-.3677				.1984	
103.400	-.4694									
105.900					-.2328					
106.100							.0799			
115.600	-.4599	-.4950	-.5975	-.4034					.1874	
117.600					-.1635					
119.000						-.0324				
120.500							.0757			
124.400								.1158		
133.100					-.1463					
133.500						-.0074				
133.800	-.5219	-.5154	-.6184	-.3771					.1886	
134.000							.0452			
142.500							.0596			
147.300						-.0106				
148.100					-.1324					
149.100	-.4518	-.5027	-.6551	-.5259					.1984	
156.200						-.0133				
157.900					-.1302					
159.500	-.5146									
180.000	-.3979	-.4741	-.6441	-.5166	-.1601	.0012	.0739	.1433	.2030	.1944

/ LARC LTPT 229(LAB1) WBEVRTC4\*SPDBRK

(RJPC32)

RN/L ( 1 ) = 4.006 ALPHA ( 6 ) = 8.005 BETA = .00000 MACH = .20042 Q(PSF) = 170.61

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

z/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3092	-.3130	-.1888	-.0976	-.0228	.0465	.1178	.1877	.2040
24.000							.0438			
27.800	-.2337									
28.700			-.2720							
29.400				-.1836						
30.400								.1172		
31.300					-.1009					
33.800						-.0274				
41.000							.0338			
44.800				-.2056				.1123	.1860	
50.100	-.3141	-.3426	-.3636	-.1906	-.1136				.1813	
52.900						-.0429				
64.000							-.0411			
67.200	-.5042									
71.500								.0435		
72.200					-.2352					
75.900						-.1445				
82.800							.0691			
92.200							.0665			
93.000	-.5378									
93.500								.1379		
94.000				-.3516						
99.100						-.0487				
101.400	-.5665		-.5448	-.5342	-.3920				.1961	
103.400	-.5022									
105.900					-.2477					
106.100							.0800			
115.600	-.5067	-.5299	-.6366	-.4307					.1904	
117.600					-.1838					
119.000						-.0265				
120.500							.0813			
124.400								.1406		
133.100					-.1725					
133.500						-.0169				
133.800	-.5511	-.5407	-.6368	-.4009					.1960	
134.000							.0751			
142.500							.0902			
147.300						-.0180				
148.100					-.1647					
149.100	-.4794	-.5208	-.6679	-.5432					.1984	
156.200						-.0302				
157.900					-.1583					
159.500	-.5376									
180.000	-.4088	-.4874	-.6684	-.5331	-.1870	.0044	.0913	.1582	.2046	.2040

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK

(RJPC32)

RN/L ( 1 ) = 4.020 ALPHA ( 7 ) = 10.089 BETA = .00000 MACH = .20042 Q(PSF) = 170.61

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3203	-.3278	-.2033	-.1163	-.0402	.0295	.1020	.1686	.1941
24.000							.0259			
27.800	-.2541									
28.700			-.2858							
29.400				-.1986						
30.400								.1049		
31.300					-.1186					
33.800						-.0463				
41.000							.0216			
44.800				-.2207				.1036	.1682	
50.100	-.3227	-.3494	-.3645	-.2049	-.1296				.1673	
52.900						-.0585				
64.000							-.0570			
67.200	-.5398									
71.500								.0279		
72.200					-.2429					
75.900						-.1549				
82.800							.0646			
92.200							.0655			
93.000	-.5855									
93.500								.1370		
94.000				-.3662						
99.100						-.0545				
101.400	-.6190		-.6014	-.5889	-.4280				.1826	
103.400	-.5512									
105.900					-.2605					
106.100							.0788			
115.600	-.5608	-.5925	-.6904	-.4702					.1870	
117.600					-.2020					
119.000						-.0243				
120.500							.0854			
124.400								.1436		
133.100					-.1929					
133.500						-.0202				
133.800	-.5837	-.5748	-.6616	-.4303					.1889	
134.000							.0887			
142.500							.0886			
147.300						-.0136				
148.100					-.2187					
149.100	-.5041	-.5527	-.6893	-.5680					.1843	
156.200						-.0110				
157.900					-.2060					
159.500	-.5662									
180.000	-.4343	-.5041	-.6998	-.5901	-.2353	.0071	.1000	.1551	.1880	.1941



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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81)-WBEVRTC4-SPDBRK

(RJPC32)

IN/L ( 1 ) = 4.011 ALPHA ( 8 ) = 12.304 BETA = .00000 MACH = .20042 Q(PSF) = 170.61

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

W/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3408	-.3475	-.2293	-.1428	-.0649	.0097	.0845	.1470	.1806
24.000							.0051			
27.800	-.2773									
28.700			-.3137							
29.400				-.2244						
30.400								.0913		
31.300					-.1436					
33.800						-.0711				
41.000							.0110			
44.800				-.2424				.0929	.1453	
50.100	-.3417	-.3450	-.3668	-.2287	-.1468				.1460	
52.900						-.0743				
64.000							-.0737			
67.200	-.6114									
71.500								-.0008		
72.200					-.2617					
75.900						-.1729				
82.800							.0509			
92.200							.0569			
93.000	-.6927									
93.500								.1132		
94.000				-.4123						
99.100						-.0601				
101.400	-.6943		-.6720	-.6524	-.4707				.1662	
103.400	-.6480									
105.900					-.2770					
106.100							.0555			
115.600	-.6197	-.6521	-.7478	-.5007					.1682	
117.600					-.2282					
119.000						-.0381				
120.500							.0577			
124.400								.1240		
133.100					-.2321					
133.500						-.0478				
133.800	-.6384	-.6280	-.7118	-.4773					.1714	
134.000							.0580			
142.500							.0708			
147.300						-.0508				
148.100					-.2854					
149.100	-.5387	-.5847	-.7336	-.6299					.1719	
156.200						-.0338				
157.900					-.3108					
159.500	-.5980									
180.000	-.4714	-.5292	-.7338	-.6470	-.3162	-.0458	.0782	.1379	.1728	.1806

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4/SPDBRK

(RJPC33) ( 11 MAR 76 )

## REFERENCE DATA

## PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF. = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

ELEVON = .000 AILRON = .000  
 SPDBRK = 55.000 MACH = .200

RN/L ( 1 ) = 6.008 ALPHA ( 1 ) = -2.064 BETA = .00000 MACH = .19978 Q(P5F) = 258.60

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	.2490	1.2800	1.2870
PHI										
.000		-.2908	-.2748	-.1352	-.0370	.0451	.1136	.1644	.2038	.2097
24.000							.1135			
27.800	-.2193									
28.700			-.2422							
29.400				-.1352						
30.400								.1609		
31.300					-.0418					
33.800						.0394				
41.000							.1068			
44.800				-.1702				.1588	.2019	
50.100	-.4009	-.3765	-.3216	-.1583	-.0605				.1983	
52.900						.0259				
64.000							.0091			
67.200	-.4452									
71.500								.0884		
72.200					-.1857					
75.900						-.0948				
82.800							.1073			
92.200							.1069			
93.000	-.4625									
93.500								.1619		
94.000				-.3096						
99.100						-.0149				
101.400	-.4538		-.4549	-.4672	-.3446				.1929	
103.400	-.4364									
105.900					-.1733					
106.100							.1000			
115.600	-.4306	-.4679	-.5546	-.3390					.2049	
117.600					-.1687					
119.000						-.0049				
120.500							.0587			
124.400								.1452		
133.100					-.2071					
133.500						-.0328				
133.800	-.4769	-.4897	-.6502	-.4428					.2070	
134.000							.0619			
142.500							.0816			
147.300						-.0510				

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC41SPDBRK

(RJPC33)

RN/L ( 1 ) = 6.009 ALPHA ( 2 ) = .040

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
124.400								.1128		
133.100					-.1967					
133.500						-.0188				
133.800	-.4903	-.4975	-.6451	-.4276					.1978	
134.000							.0702			
142.500							.0883			
147.300						-.0263				
148.100					-.2864					
149.100	-.4113	-.4740	-.6725	-.6422					.2019	
156.200						-.0102				
157.900					-.3361					
159.500	-.4702									
180.000	-.3453	-.4300	-.6562	-.6234	-.3377	-.0294	.1040	.1511	.2133	.1912

RN/L ( 1 ) = 6.021 ALPHA ( 3 ) = 1.974 BETA = .00000 MACH = .19978 Q(PSF) = 258.60

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
.000		-.2903	-.2819	-.1475	-.0542	.0238	.0918	.1528	.1975	.1939
24.000							.0901			
27.800	-.2118									
28.700			-.2507							
29.400				-.1474						
30.400								.1491		
31.300					-.0600					
33.800						.0185				
41.000							.0803			
44.800				-.1795				.1479	.1985	
50.100	-.3633	-.3434	-.3262	-.1650	-.0782				.1962	
52.900						.0004				
64.000							-.0073			
67.200	-.4600									
71.500								.0792		
72.200					-.2053					
75.900						-.1156				
82.800							.0882			
92.200							.0931			
93.000	-.4860									
93.500								.1422		
94.000				-.3255						
99.100						-.0351				
101.400	-.4841		-.4779	-.4900	-.3645				.1921	

LARC LTPT 229(LA81) WBEVFTC4+SPDBRK

(RJPC33)

RN/L ( 1 ) = 6.021 ALPHA ( 3 ) = 1.974

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP								
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
103.400	-.4581				-.2052					
105.900							.0986			
106.100									.1966	
115.600	-.4422	-.4806	-.5729	-.3682	-.1652					
117.600						-.0159				
119.000							.0737			
120.500								.0886		
124.400					-.1728					
133.100						-.0119				
133.500										
133.800	-.5028	-.5044	-.6344	-.4097					.1803	
134.000							.0673			
142.500							.0773			
147.300						-.0015				
148.100					-.2403					
149.100	-.4290	-.4864	-.6694	-.6074					.2054	
156.200						.0141				
157.900					-.2808					
159.500	-.4875									
180.000	-.3706	-.4604	-.6563	-.5952	-.2801	.0050	.0678	.1339	.2204	.1939

RN/L ( 1 ) = 6.006 ALPHA ( 4 ) = 4.169 BETA = .00000 MACH = .19978 Q(PSF) = 258.60

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP								
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2900	-.2881	-.1583	-.0692	.0092	.0750	.1412	.1994	.2053
24.000							.0727			
27.800	-.2093									
28.700			-.2570							
29.400				-.1588						
30.400								.1380		
31.300					-.0726					
33.800						.0019				
41.000							.0622			
44.800				-.1858				.1365	.1933	
50.100	-.3179	-.3274	-.3383	-.1683	-.0906				.1984	
52.900						-.0167				
64.000							-.0219			
67.200	-.4686									
71.500								.0677		
72.200				-.2134						
75.900					-.1255					

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRIC4+SPDBRK

(RJPC33)

RN/L ( 1 ) = 6.006 ALPHA ( 4 ) = 4.169

SECTION ( 1 )	TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2970	
PHI											
82.800							.0812				
92.200							.0820				
93.000	-.4956										
93.500								.1430			
94.000				-.3320							
99.100						-.0404					
101.400	-.4948		-.4891	-.4927	-.3670				.1976		
103.400	-.4680										
105.900					-.2292						
106.100							.0936				
115.600	-.4535	-.4920	-.5911	-.3900					.1933		
117.600					-.1645						
119.000						-.0157					
120.500							.1165				
124.400								.1029			
133.100					-.1622						
133.500						-.0031					
133.800	-.5192	-.5109	-.6300	-.3962					.1978		
134.000							.0670				
142.500							.0750				
147.300						.0021					
148.100					-.1840						
149.100	-.4465	-.5002	-.6687	-.5714					.2126		
156.200						.0197					
157.900					-.2249						
159.500	-.5055										
180.000	-.3968	-.4794	-.6631	-.5549	-.2246	.0142	.0736	.1409	.2283	.2053	

RN/L ( 1 ) = 6.011 ALPHA ( 5 ) = 5.991 BETA = .00090 MACH = .19978 Q(PSF) = 258.60

SECTION ( 1 )	TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2970	
PHI											
.000		-.2912	-.2922	-.1863	-.0791	-.0036	.0652	.1328	.2003	.2018	
24.000							.0616				
27.800	-.2131										
28.700			-.2588								
29.400				-.1645							
30.400								.1296			
31.300					-.0824						
33.800						-.0081					
41.000							.0477				
44.800			-.1912					.1272	.1972		

LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK

(RJPC33)

RN/L ( 1 ) = 6.011 ALPHA ( 5 ) = 5.991

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
50.100	-.2976	-.3197	-.3424	-.1709	-.0975				.1932	
52.900					-.0283					
64.000						-.0290				
67.200	-.4717									
71.500								.0560		
72.200					-.2216					
75.900					-.1323					
82.800							.0777			
92.200							.0736			
93.000	-.5035									
93.500								.1447		
94.000				-.3371						
99.100					-.0423					
101.400	-.5055		-.4977	-.5014	-.3731				.2012	
103.400	-.4750									
105.900					-.2415					
106.100							.0902			
115.600	-.4644	-.5041	-.6090	-.4122					.1868	
117.600					-.1673					
119.000						-.0193				
120.500							.0942			
124.400								.1349		
133.100					-.1539					
133.500						.0008				
133.800	-.5325	-.5212	-.6280	-.3857					.2001	
134.000							.0727			
142.500							.0835			
147.300						.0089				
148.100					-.1676					
149.100	-.4583	-.5128	-.6601	-.5434					.2129	
156.200						.0059				
157.900					-.1581					
159.500	-.5182									
180.000	-.3955	-.4814	-.6624	-.5275	-.1822	.0238	.0990	.1499	.2365	.2018

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK

(RJPC33)

RN/L ( 1 ) = 6.010 ALPHA ( 6 ) = 8.156 BETA = .00000 MACH = .19978 Q(PSF) = 258.60

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3084	-.3114	-.1856	-.0988	-.0216	.0472	.1198	.1940	.2170
24.000							.0452			
27.800	-.2361									
28.700			-.2715							
29.400				-.1806						
30.400								.1216		
31.300					-.0984					
33.800						-.0281				
41.000							.0318			
44.800				-.2066				.1166	.1923	
50.100	-.3092	-.3268	-.3541	-.1866	-.1143				.1929	
52.900						.0452				
64.000							-.0491			
67.200	-.5185									
71.500								.0324		
72.200					-.2321					
75.900						-.1450				
82.800							.0752			
92.200							.0676			
93.000	-.5445									
93.500								.1485		
94.000				-.3484						
99.100						-.0409				
101.400	-.5474		-.5337	-.5291	-.3948				.2036	
103.400	-.5174									
105.900					-.2506					
106.100							.0905			
115.600	-.4979	-.5378	-.6378	-.4410					.1997	
117.600					-.1902					
119.000						-.0312				
120.500							.0942			
124.400								.1572		
133.100					-.1759					
133.500						-.0114				
133.800	-.5640	-.5459	-.6496	-.4103					.2062	
134.000							.0907			
142.500							.1037			
147.300						-.0027				
148.100					-.1894					
149.100	-.4914	-.5417	-.6794	-.5469					.2077	
156.200						-.0051				
157.900					-.1918					
159.500	-.5536									
180.000	-.4108	-.4899	-.6808	-.5551	-.2167	.0197	.1047	.1663	.2150	.2170



LARC LTPT 229(LA81) WBEVRTCH+SPDBRK

(RJPC33)

RN/L (1) = 6.035 ALPHA (7) = 10.029 BETA = .00000 MACH = .19978 Q(PSF) = 258.60

SECTION (1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3128	-.3081	-.1987	-.1150	-.0364	.0319	.1082	.1756	.2107
24.000							.0273			
27.800	-.2341									
28.700			-.2476							
29.400				-.1942						
30.400								.1083		
31.300					-.1154					
33.800						-.0457				
41.000							.0166			
44.800				-.2182				.1112	.1743	
50.100	-.3247	-.3130	-.3492	-.1979	-.1224				.1779	
52.900						-.0589				
64.000							-.0575			
67.200	-.5339									
71.500								.0253		
72.200					-.2381					
75.900						-.1555				
82.800							.0703			
92.200							.0670			
93.000	-.5915									
93.500								.1472		
94.000				-.3635						
99.100						-.0485				
101.400	-.5799		-.5564	-.5645	-.4182				.1958	
103.400	-.5584									
105.900					-.2684					
106.100							.0875			
115.600	-.5384	-.5773	-.6749	-.4675					.1968	
117.600					-.2074					
119.000						-.0392				
120.500							.0900			
124.400								.1584		
133.100					-.1999					
133.500						-.0264				
133.800	-.5878	-.5771	-.6602	-.4338					.2018	
134.000							.0942			
142.500							.1058			
147.300						-.0078				
148.100					-.2226					
149.100	-.5168	-.5619	-.6987	-.5790					.2012	
156.200						.0039				
157.900					-.2219					
159.500	-.5745									
180.000	-.4398	-.5096	-.7067	-.5969	-.2619	.0134	.1165	.1710	.2023	.2107

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTCH+SPDBRK

(RJPC34) ( 11 MAR 76 )

## REFERENCE DATA

## PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

ELEVON = .000 AILRON = .000  
 SPDBRK = 55.000 MACH = .200

RN/L ( 1 ) = 8.022 ALPHA ( 1 ) = -1.963 BETA = .00000 MACH = .19993 Q(P\$F) = 347.87

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2934	-.2661	-.1333	-.0370	.0452	.1143	.1679	.2081	.2156
24.000							.1128			
27.800	-.2094									
28.700			-.2075							
29.400				-.1365						
30.400								.1653		
31.300					-.0430					
33.800						.0381				
41.000							.1052			
44.800				-.1735				.1643	.2087	
50.100	-.4057	-.3615	-.3291	-.1573	-.0600				.2051	
52.900						.0262				
64.000							.0101			
67.200	-.4481									
71.500								.0867		
72.200				-.1854						
75.900					-.0962					
82.800							.1095			
92.200							.1072			
93.000	-.4667									
93.500								.1705		
94.000				-.3129						
99.100						-.0213				
101.400	-.4594		-.4572	-.4716	-.3491				.1999	
103.400	-.4419									
105.900					-.1758					
106.100							.1028			
115.600	-.4328	-.4723	-.5621	-.3434					.2109	
117.600					-.1681					
119.000						-.0044				
120.500							.0679			
124.400								.1498		
133.100					-.2128					
133.500						-.0323				
133.800	-.4826	-.4922	-.6552	-.4465					.2110	
134.000							.0695			
142.500							.0856			
147.300							-.0587			

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LARC LTPT 229(LA81) WBEVRTCH+SPDBRK

(RJPC34)

RN/L ( 1 ) = 8.022 ALPHA ( 1 ) = -1.953

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
148.100					-.3430					
149.100	-.3981	-.4691	-.6738	-.6667					.2158	
156.200						-.0534				
157.900					-.4021					
159.500	-.4533									
180.000	-.3128	-.4150	-.6587	-.6455	-.3814	-.0760	.1105	.1899	.2181	.2156

RN/L ( 1 ) = 8.018 ALPHA ( 2 ) = .020 BETA = .00000 MACH = .19993 Q(PSF) = 347.87

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2909	-.2696	-.1381	-.0432	.0368	.1031	.1622	.2054	.2015
24.000							.1010			
27.800	-.2063									
28.700			-.2040							
29.400				-.1419						
30.400								.1601		
31.300					-.0507					
33.800						.0298				
41.000							.0934			
44.800				-.1791				.1573	.2072	
50.100	-.3844	-.3482	-.3325	-.1604	-.0697				.2036	
52.900						.0130				
64.000							-.0006			
67.200	-.4575									
71.500								.0846		
72.200					-.1962					
75.900						-.1063				
82.800							.0993			
92.200							.1032			
93.000	-.4785									
93.500								.1612		
94.000				-.3221						
99.100						-.0319				
101.400	-.4766		-.4694	-.4830	-.3618				.1979	
103.400	-.4532									
105.900					-.1952					
106.100							.1099			
115.600	-.4389	-.4796	-.5705	-.3576					.2074	
117.600					-.1677					
119.000						-.0127				
120.500							.0832			

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK

(RJPC34)

RN/L ( 1 ) = 8.018 ALPHA ( 2 ) = .020

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

124.400								.1362		
133.100					-.2024					
133.500						-.0153				
133.800	-.4957	-.5004	-.6480	-.4336					.2059	
134.000							.0817			
142.500							.0931			
147.300						-.0512				
148.100					-.3072					
149.100	-.4096	-.4751	-.6727	-.6450					.2064	
156.200						-.0093				
157.900					-.3493					
159.500	-.4665									
180.000	-.3457	-.4419	-.6665	-.6335	-.3365	-.0261	.1117	.1589	.2205	.2015

RN/L ( 1 ) = 8.017 ALPHA ( 3 ) = 1.994 BETA = .00000 MACH = .19993 Q(PSF) = 347.87

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.2910	-.2719	-.1484	-.0554	.0225	.0901	.1516	.2050	.1960
24.000							.0873			
27.800	-.2026									
28.700			-.2104							
29.400				-.1492						
30.400								.1499		
31.300					-.0612					
33.800						.0170				
41.000							.0774			
44.800				-.1826				.1471	.2071	
50.100	-.3614	-.3386	-.3375	-.1659	-.0784				.2040	
52.900						-.0011				
64.000							-.0160			
67.200	-.4634									
71.500								.0784		
72.200					-.2058					
75.900						-.1174				
82.800							.0906			
92.200							.0949			
93.000	-.4897									
93.500								.1469		
94.000				-.3283						
99.100						-.0354				
101.400	-.4874		-.4809	-.4910	-.3717				.1882	

LARC LTPT 229(LA81) WBEVRTC4+SPDBRK

(RJPC34)

RN/L ( 1 ) = 8.017 ALPHA ( 3 ) = 1.994

SECTION ( 1 ) TAIL CONE				DEPENDENT VARIABLE CP						
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
103.400	-.4618									
105.900					-.2094					
106.100							.1042			
115.600	-.4448	-.4861	-.5810	-.3739					.2033	
117.600					-.1679					
119.000						-.0148				
120.500							.0944			
124.400								.1089		
133.100					-.1861					
133.500						-.0110				
133.800	-.5077	-.5060	-.6414	-.4169					.1868	
134.000							.0731			
142.500							.0931			
147.300						-.0088				
148.100					-.2566					
149.100	-.4342	-.4932	-.6722	-.6219					.2010	
156.200						.0119				
157.900					-.2714					
159.500	-.4943									
180.000	-.3686	-.4567	-.6668	-.5970	-.2823	.0066	.0799	.1355	.2321	.1960

RN/L ( 1 ) = 8.015 ALPHA ( 4 ) = 4.088 BETA = .00000 MACH = .19993 Q(PSF) = 347.87

SECTION ( 1 ) TAIL CONE				DEPENDENT VARIABLE CP						
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2900	-.2793	-.1580	-.0691	.0085	.0769	.1400	.2049	.1956
24.000							.0735			
27.800	-.1968									
28.700			-.2117							
29.400				-.1584						
30.400								.1431		
31.300					-.0717					
33.800						.0027				
41.000							.0627			
44.800				-.1894				.1376	.2057	
50.100	-.3223	-.3263	-.3461	-.1645	-.0886				.2017	
52.900						-.0154				
64.000							-.0186			
67.200	-.4692									
71.500								.0682		
72.200					-.2132					
75.900						-.1245				

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK

(RJPC34)

RN/L ( 1 ) = 8.015 ALPHA ( 4 ) = 4.088

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
92.800							.0863			
92.200							.0875			
93.000	-.4999									
93.500								.1476		
94.000				-.3340						
99.100						-.0393				
101.400	-.4983		-.4909	-.4962	-.3700				.1947	
103.400	-.4708									
105.900					-.2335					
106.100							.0957			
115.600	-.4544	-.4967	-.5952	-.3948					.1957	
117.600					-.1689					
119.000						-.0158				
120.500							.0973			
124.400								.1196		
133.100					-.1703					
133.500						-.0024				
133.800	-.5233	-.5132	-.6366	-.4019					.2009	
134.000							.0846			
142.500							.0911			
147.300						.0153				
148.100					-.2042					
149.100	-.4453	-.4991	-.6713	-.5778					.2172	
156.200						.0237				
157.900					-.2344					
159.500	-.5062									
180.000	-.3946	-.4786	-.6677	-.3681	-.2306	.0227	.0961	.1432	.2338	.1956

RN/L ( 1 ) = 8.025 ALPHA ( 5 ) = 6.031 BETA = .00000 MACH = .19993 Q(PSF) = 347.87

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2916	-.2827	-.1677	-.0797	-.0009	.0640	.1326	.2071	.2084
24.000							.0616			
27.800	-.1986									
28.700			-.2257							
29.400				-.1661						
30.400								.1342		
31.300					-.0814					
33.800						-.0081				
41.000							.0454			
44.800				-.1934				.1313	.2039	

DATE 05 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK

(RJPC34)

RN/L ( 1 ) = 8.025 ALPHA ( 5 ) = 6.031

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
50.100	-.3011	-.3178	-.3474	-.1695	-.0987				.2042	
52.900						-.0303				
64.000							-.0319			
67.200	-.4781									
71.500								.0507		
72.200					-.2221					
75.900						-.1329				
82.800							.0830			
92.200							.0771			
93.000	-.5105									
93.500								.1506		
94.000				-.3395						
99.100						-.0416				
101.400	-.5097		-.4999	-.5036	-.3766				.2068	
103.400	-.4807									
105.900					-.2480					
106.100							.0969			
115.600	-.4671	-.5106	-.6162	-.4204					.1973	
117.600					-.1742					
119.000						-.0203				
120.500							.1034			
124.400								.1479		
133.100					-.1607					
133.500						.0010				
133.800	-.5366	-.5210	-.6332	-.3952					.2059	
134.000							.0874			
142.500							.1022			
147.300						.0152				
148.100					-.1831					
149.100	-.4600	-.5136	-.6746	-.5491					.2175	
156.200						.0181				
157.900					-.1844					
159.500	-.5244									
180.000	-.3932	-.4758	-.6690	-.5467	-.1967	.0282	.1080	.1656	.2384	.2084

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK

(RJPC34)

RN/L ( 1 ) = 8.014 ALPHA ( 6 ) = 8.216 BETA = .00000 MACH = .19993 Q(PSF) = 347.87

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.3049	-.2958	-.1853	-.0994	-.0228	.0487	.1208	.1963	.2206
24.000							.0435			
27.800	-.2186									
28.700			-.2480							
29.400				-.1814						
30.400								.1231		
31.300					-.0980					
33.800						-.0277				
41.000							.0293			
44.800				-.2125				.1190	.1970	
50.100	-.3144	-.3227	-.3604	-.1866	-.1181				.1968	
52.900						-.0503				
64.000							-.0454			
67.200	-.5097									
71.500								.0323		
72.200					-.2327					
75.900						-.1470				
82.800							.0727			
92.200							.0729			
93.000	-.5627									
93.500								.1514		
94.000				-.3508						
99.100						-.0462				
101.400	-.5603		-.5325	-.5319	-.3994				.2093	
103.400	-.5175									
105.900					-.2547					
106.100							.0944			
115.600	-.5121	-.5477	-.6500	-.4458					.2043	
117.600					-.1941					
119.000						-.0289				
120.500							.0996			
124.400								.1618		
133.100					-.1773					
133.500						-.0113				
133.800	-.5695	-.5488	-.6526	-.4172					.2087	
134.000							.1015			
142.500							.1075			
147.300							.0032			
148.100					-.2065					
149.100	-.4849	-.5421	-.6879	-.5554					.2154	
156.200						.0029				
157.900					-.2065					
159.500	-.5519									
180.000	-.4106	-.4863	-.6884	-.5870	-.2201	.0221	.1222	.1846	.2122	.2206



LARC LTPT 225(LAB1) BEVRTC4+SPDBRK

(RJPC35) 76 (11 MAR 76 '1)

72 13 2

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = .000 AILRON = .000  
 SPDBRK = 55.000 MACH = .200

RN/L (1) = 10.036 ALPHA (1) = -2.004 BETA = .00000 MACH = .20023 Q(PSF) = 440.40

SECTION (1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB . . .9970 .1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000										
24.000		-.2903	-.2611	-.1336	-.0344	.0493	.1207	.1738	.2076	.2166
27.800	-.2015						.1180			
28.700			-.2332							
29.400				-.1354						
30.400								.1711		
31.300					-.0395					
33.800						.0439				
41.000							.1135			
44.800					-.1777			.1719	.2087	
50.100	-.4202	-.3605	-.3326	-.1541	-.0568				.2073	
52.900						.0274				
64.000							.0162			
67.200	-.4510									
71.500								.0921		
72.200					-.1838					
75.900						-.0951				
82.800							.1163			
92.200							.1149			
93.000	-.4718									
93.500								.1768		
94.000					-.3123					
99.100						-.0163				
101.400	-.4613		-.4581	-.4707	-.3477				.2036	
103.400	-.4457									
105.900					-.1746					
106.100							.1062			
115.600	-.4348	-.4757	-.5634	-.3456					.2125	
117.600					-.1692					
119.000						-.0020				
120.500							.0769			
124.400								.1551		
133.100					-.2068					
133.500						-.0226				
133.800	-.4872	-.4924	-.6549	-.4463					.2144	
134.000							.0736			
142.500							.0981			
147.300						-.0486				

C.4

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) HBEVRTCH+SPDBRK

(RJPC35)

RN/L ( 1 ) = 10.036 ALPHA ( 1 ) = -2.004

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
148.100					- .3370						
149.100	- .3963	- .4672	- .6705	- .6669					.2163		
156.200						- .0563					
157.900					- .3852						
159.500	- .4541										
180.000	- .3261	- .4210	- .6625	- .6402	- .3932	- .0825	.1082	.1901	.2177	.2166	

RN/L ( 1 ) = 10.027 ALPHA ( 2 ) = .010 BETA = .0000 MACH = .20023 Q(PSF) = 440.40

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		- .2907	- .2676	- .1411	- .0457	.0386	.1058	.1658	.2057	.2080	
24.000							.1060				
27.800	- .2069										
28.700			- .2557								
29.400				- .1443							
30.400								.1625			
31.300					- .0513						
33.800						.0319					
41.000							.0951				
44.800				- .1836				.1598	.2022		
50.100	- .4003	- .3549	- .3356	- .1626	- .0703				.2032		
52.900						.0101					
64.000							.0035				
67.200	- .4593										
71.500								.0931			
72.200					- .1942						
75.900						- .1080					
82.800							.1030				
92.200							.1111				
93.000	- .4832										
93.500								.1646			
94.000				- .3218							
99.100						- .0318					
101.400	- .4777		- .4719	- .4845	- .3615				.1921		
103.400	- .4583										
105.900					- .1940						
106.100							.1159				
115.600	- .4421	- .4843	- .5746	- .3604					.2056		
117.600					- .1674						
119.000						- .0071					
120.500							.0929				

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LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK

(RJPC35)

RN/L ( 1 ) = 10.027 ALPHA ( 2 ) = .010

SECTION ( 1 ) TAIL CONE DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
124.400								.1371		
133.100					-.1960					
133.500						.0186				
133.800	-.4993	-.4972	-.6516	-.4344					.2068	
134.000							.0722			
142.500							.1030			
147.300						-.0493				
148.100					-.3048					
149.100	-.4106	-.4847	-.6752	-.6437					.2085	
156.200						-.0041				
157.900					-.3292					
159.500	-.4882									
180.000	-.3555	-.4522	-.6568	-.6382	-.3240	-.0268	.1144	.1727	.2184	.2080

RN/L ( 1 ) = 9.999 ALPHA ( 3 ) = 1.943 BETA = .00000 MACH = .20023 Q(PSF) = 440.40

SECTION ( 1 ) TAIL CONE DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
.000		-.2889	-.2696	-.1482	-.0554	.0268	.0962	.1567	.2069	.1945
24.000							.0958			
27.800	-.2008									
28.700			-.2572							
29.400				-.1512						
30.400								.1560		
31.300					-.0585					
33.800						.0198				
41.000							.0825			
44.800				-.1846				.1555	.2064	
50.100	-.3584	-.3400	-.3331	-.1623	-.0761				.2073	
52.900						-.0008				
64.000							-.0033			
67.200	-.4618									
71.500								.0858		
72.200					-.2022					
75.900						-.1152				
82.800							.0999			
92.200							.1041			
93.000	-.4944									
93.500								.1568		
94.000				-.3267						
99.100						-.0336				
101.400	-.4905		-.4822	-.4929	-.3720				.1969	

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK

(RJPC35)

RN/L ( 1 ) = 9.999 ALPHA ( 3 ) = 1.943

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

103.400	-.4656				-.2092				
105.900							.1116		
106.100									.2050
115.600	-.4463	-.4894	-.5836	-.3735	-.1653				
117.600						-.0131			
119.000							.1009		
120.500								.1238	
124.400					-.1794				
133.100						-.0070			
133.500									.2071
133.800	-.5129	-.5066	-.6415	-.4159					
134.000							.0975		
142.500							.0969		
147.300						-.0116			
148.100					-.2438				
149.100	-.4331	-.4883	-.6691	-.6146					.2167
156.200						.0204			
157.900					-.2854				
159.500	-.5020								
180.000	-.3700	-.4505	-.6537	-.5922	-.2704	.0162	.1076	.1412	.2489 .1945

RN/L ( 1 ) = 10.042 ALPHA ( 4 ) = 3.997 BETA = .00000 MACH = .20023 Q(PSF) = 440.40

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.2884	-.2760	-.1577	-.0678	.0121	.0807	.1465	.2069 .2027
24.000							.0770		
27.800	-.2000								
28.700			-.2636						
29.400				-.1589					
30.400								.1470	
31.300					-.0696				
33.800						.0063			
41.000							.0613		
44.800				-.1907				.1426	.2066
50.100	-.3120	-.3247	-.3351	-.1647	-.0875				.2050
52.900						-.0148			
64.000							-.0190		
67.200	-.4713								
71.500								.0712	
72.200					-.2121				
75.900						-.1254			

LARC LTPT. 229(LA81) WBEVRTC4+SPDBRK

(RJPC35)

RN/L ( 1 ) = 10.042 ALPHA ( 4 ) = 3.997

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
82.800							.0918				
92.200							.0932				
93.000	-.5039										
93.500								.1585			
94.000				-.3338							
99.100						-.0385					
101.400	-.5031		-.4916	-.4929	-.3750				.1985		
103.400	-.4747										
105.900					-.2323						
106.100							.1051				
115.600	-.4584	-.5020	-.6002	-.3978					.1970		
117.600					-.1666						
119.000						-.0107					
120.500							.1063				
124.400								.1232			
133.100					-.1602						
133.500						.0071					
133.800	-.5257	-.5148	-.6368	-.4005					.2147		
134.000							.0934				
142.500							.1004				
147.300						.0155					
148.100					-.2009						
149.100	-.4498	-.5025	-.6702	-.5850					.2202		
156.200						.0316					
157.900					-.2184						
159.500	-.5148										
180.000	-.3979	-.4757	-.6637	-.5590	-.2241	.0261	.0985	.1331	.2482	.2027	

RN/L ( 1 ) = 10.038 ALPHA ( 5 ) = 6.082 BETA = .00000 MACH = .20023 Q(PSF) = 440.40

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870	
PHI											
.000		-.2922	-.2839	-.1693	-.0819	.0000	.0683	.1371	.2128	.2155	
24.000							.0634				
27.800	-.2081										
28.700			-.2672								
29.400				-.1701							
30.400								.1364			
31.300					-.0851						
33.800						-.0137					
41.000							.0484				
44.800				-.1953				.1332	.2073		

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK

(RJPC35)

RN/L ( 1 ) = 10.038 ALPHA ( 5 ) = 6.082

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
50.100	-.2939	-.3159	-.3371	-.1707	-.0983				.2029	
52.900						-.0290				
64.000							-.0247			
67.200	-.4828									
71.500								.0543		
72.200					-.2232					
75.900						-.1353				
82.800							.0862			
92.200							.0850			
93.000	-.5181									
93.500								.1587		
94.000				-.3391						
99.100						-.0380				
101.400	-.5178		-.5068	-.5105	-.3862				.2120	
103.400	-.4876									
105.900					-.2494					
106.100							.1034			
115.600	-.4749	-.5213	-.6251	-.4268					.2001	
117.600					-.1744					
119.000						-.0203				
120.500							.1073			
124.400								.1603		
133.100					-.1603					
133.500						.0040				
133.800	-.5465	-.5267	-.6375	-.3944					.2085	
134.000							.1032			
142.500							.1071			
147.300						.0234				
148.100					-.1907					
149.100	-.4707	-.5248	-.6691	-.5468					.2196	
156.200						.0388				
157.900					-.1757					
159.500	-.5302									
180.000	-.3985	-.4919	-.6626	-.5265	-.1904	.0468	.1149	.1759	.2303	.2155

LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK+STING

(RJPC36) (111MAR 76) 01

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = .000 AILRON = .000  
 SPDBRK = 25.000 MACH = .200

RN/L (1) = 2.032 ALPHA (1) = -.010 BETA = .00000 MACH = .19997 Q(PSF) = 84.800

## SECTION (1) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.2436	-.1967	-.1058	-.0022	.0713	.1091	.1489
24.000							.1029	
27.800	-.1618							
28.700			-.2422					
29.400				-.0989				
30.400								.1552
31.300					.0004			
33.800						.0707		
41.000							.1072	
44.800				-.1273				.1562
50.100	-.2765	-.2815	-.2805	-.1283	-.0285			
52.900						.0521		
64.000							.0557	
67.200	-.4178							
71.500								.1221
72.200					-.1764			
75.900						-.0471		
82.800							.1258	
92.200							.1322	
93.000	-.4468							
93.500								.1503
94.000				-.2587				
99.100						.0413		
101.400	-.4192		-.4290	-.4305	-.2910			
103.400	-.4197							
105.900					-.1148			
106.100							.1354	
115.600	-.4096	-.4266	-.4954	-.2778				
117.600					-.0679			
119.000						.0541		
120.500							.1282	
124.400								.1611
133.100					-.0603			
133.500						.0593		
133.800	-.4845	-.4727	-.5300	-.2672				
134.000							.1228	
142.500							.1242	
147.300						.0532		





LARC LTPT 229(LA81) HIBEVRTC4+SPDBRK+STING

(RJPC36)

RN/L ( 1 ) = 2.035 ALPHA ( 2 ) = 2.255

SECTION ( 1 ) TAIL CONE DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	.2100	1.2490
PHI								
124.400								.1557
133.100					-.0507			
133.500						.0621		
133.800	-.5039	-.4857	-.5274	-.2569				
134.000							.1249	
142.500							.1257	
147.300						.0630		
148.100					-.0569			
149.100	-.4924	-.4916	-.4773	-.2750				
156.200						.0501		
157.900					-.0858			
159.500	-.5733							
180.000	-.5208	-.4656	-.4124	-.2496	-.0933	.0392	.1259	.1743

RN/L ( 1 ) = 2.030 ALPHA ( 3 ) = 3.997 BETA = 00000 MACH = .19997 Q(PSF) = 84.800

SECTION ( 1 ) TAIL CONE DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	.2100	1.2490
PHI								
.000		-.2468	-.2007	-.1312	-.0335	.0463	.1126	.1526
24.000							.1115	
27.800	-.1560							
28.700			-.2641					
29.400				-.1241				
30.400								.1550
31.300					-.0337			
33.800						.0449		
41.000							.1062	
44.800				-.1453				.1602
50.100	-.2389	-.2661	-.2964	-.1394	-.0516			
52.900						.0318		
64.000							.0412	
67.200	-.4317							
71.500								.1225
72.200					-.2743			
75.900						-.0697		
82.800							.1252	
92.200							.1299	
93.000	-.4644							
93.500								.1664
94.000				-.2732				
99.100						.0318		
101.400	-.4179		-.4367	-.4339	-.2936			

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) ,HBEVRTC4+SPDBRK+STING

(RJPC36)

RN/L ( 1 ) = 2.030 ALPHA ( 3 ) = 3.997

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

103.400	-.4381						
105.900				-.1467			
106.100						.1317	
115.600	-.4333	-.4501	-.5300	-.3139			
117.600				-.0706			
119.000					.0553		
120.500						.1340	
124.400							.1557
133.100				-.0449			
133.500					.0614		
133.800	-.5192	-.4949	-.5262	-.2492			
134.000						.1264	
142.500						.1280	
147.300					.0671		
148.100				-.0424			
149.100	-.5050	-.4987	-.4729	-.2593			
156.200					.0562		
157.900				-.0720			
159.500	-.5802						
180.000	-.5302	-.4761	-.4104	-.2436	-.0807	.0486	.1308
							.1751

RN/L ( 1 ) = 2.035 ALPHA ( 4 ) = 6.051 BETA = .00000 MACH = .19997 Q(PSF) = 84.800

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

.000		-.2617	-.2105	-.1494	-.0524	.0280	.0999	.1485
24.000							.0993	
27.800	-.1620							
28.700			-.2847					
29.400				-.1424				
30.400								.1436
31.300					-.0540			
33.800						.0269		
41.000							.0956	
44.800				-.1614				.1498
50.100	-.2404	-.2745	-.3192	-.1543	-.0698			
52.900						.0129		
64.000							.0319	
67.200	-.4591							
71.500								.1152
72.200					-.2090			
75.900						-.0817		

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DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK+STING

(RJPC36)

RN/L ( 1 ) = 2.035 ALPHA ( 4 ) = 6.051

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

82.800

.1201

92.200

.1206

93.000 -.4890

93.500

.1671

94.000

-.2873

99.100

.0283

101.400 -.4354

-.4584

-.4529

-.3048

103.400 -.4618

105.900

-.1610

106.100

.1249

115.600 -.4606

-.4760

-.5566

-.3421

117.600

-.0821

119.000

.0504

120.500

.1278

124.400

.1532

133.100

-.0510

133.500

.0519

133.800 -.5471

-.5156

-.5363

-.2559

134.000

.1232

142.500

.1237

147.300

.0615

148.100

-.0415

149.100 -.5254

-.5139

-.4755

-.2509

156.200

.0568

157.900

-.0691

159.500 -.5989

180.000 -.5476

-.4896

-.4224

-.2498

-.0827

.0463

.1297

.1694

RN/L ( 1 ) = 2.034 ALPHA ( 5 ) = 8.055 BETA = 00000 MACH = .19997 Q(PSF) = 84.800

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

.000

-.2898

-.2343

-.1762

-.0741

.0109

.0846

.1383

24.000

.0814

27.800 -.1806

28.700

-.3178

29.400

-.1683

30.400

.1248

31.300

-.0760

33.800

.0068

41.000

.0805

44.800

-.1853

.1303

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TABULATED SOURCE DATA - LA81,

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LARC LTPT 229(LA81) IBEVRTC4+SPDBRK+STING

(RJPC36)

RN/L ( 1 ) = 2.034 ALPHA ( 5 ) = 8.055

SECTION ( 1 )	TAIL CONE	DEPENDENT VARIABLE CP							
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	
PHI									
50.100	-.2635	-.3099	-.3511	-.1773	-.0907				
52.900						-.0049			
64.000							.0233		
67.200	-.5240								
71.500								.1023	
72.200					-.2182				
75.900						-.0893			
82.800							.1051		
92.200							.1067		
93.000	-.5646								
93.500								.1461	
94.000				-.3040					
99.100						.0291			
101.400	-.5057		-.5211	-.4990	-.3310				
103.400	-.5266								
105.900					-.1689				
106.100							.1168		
115.600	-.5161	-.5287	-.5981	-.3671					
117.600					-.0965				
119.000						.0435			
120.500							.1167		
124.400								.1408	
133.100					-.0720				
133.500						.0434			
133.800	-.5822	-.5505	-.5558	-.2809					
134.000							.1124		
142.500							.1117		
147.300						.0491			
148.100					-.0623				
149.100	-.5569	-.5410	-.4923	-.2668					
156.200						.0417			
157.900					-.0844				
159.500	-.6289								
180.000	-.5584	-.4749	-.4314	-.2642	-.0982	.0274	.1165	.1512	

LARC LTPT 229(LAB1) BEVRTC4+SPDBRK+STING

(RJPC36)

RN/L (1) = 2.037 ALPHA (6) = 10.351 BETA = .00000 MACH = .19997 Q(PSF) = 84.800

SECTION (1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.3091	-.2538	-.1996	-.0977	-.0115	.0657	.1263
24.000							.0601	
27.800	-.1892							
28.700			-.3426					
29.400				-.1911				
30.400								.1116
31.300					-.0992			
33.800						-.0170		
41.000							.0667	
44.800				-.2051				.1180
50.100	-.2738	-.3237	-.3549	-.1959	-.1106			
52.900						-.0235		
64.000							.0057	
67.200	-.5838							
71.500								.0898
72.200					-.2332			
75.900						-.1079		
82.800							.0908	
92.200							.0882	
93.000	-.6381							
93.500								.1417
94.000				-.3337				
99.100						.0158		
101.400	-.5750		-.5800	-.5504	-.3652			
103.400	-.5959							
105.900					-.1806			
106.100							.0987	
115.600	-.5783	-.5843	-.6529	-.4002				
117.600					-.1031			
119.000						.0291		
120.500							.1014	
124.400								.1268
133.100					-.0895			
133.500						.0272		
133.800	-.6217	-.5882	-.5790	-.3009				
134.000							.0987	
142.500							.0958	
147.300						.0280		
148.100					-.0904			
149.100	-.5885	-.5689	-.5143	-.2908				
156.200						.0161		
157.900					-.1121			
159.500	-.6635							
180.000	-.6141	-.4826	-.4542	-.2903	-.1269	-.0018	.0953	.1352

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) W3EVRTC4+SPDBRK+STING

(RJPC36)

RN/L ( 1 ) = 2.037 ALPHA ( 7 ) = 12.093 BETA = .00000 MACH = .19997 Q(PSF) = 84.800

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP							
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PH1								
.000		-.3239	-.2601	-.2185	-.1167	-.0294	.0499	.1174
24.000							.0454	
27.800	-.1997							
28.700			-.3646					
29.400				-.2114				
30.400								.0989
31.300					-.1209			
33.800						-.0356		
41.000							.0532	
44.800				-.2135				.1018
50.100	-.2817	-.3269	-.3481	-.2042	-.1179			
52.900						-.0329		
64.000							-.0162	
67.200	-.6240							
71.500								.0715
72.200					-.2479			
75.900						-.1262		
82.800							.0717	
92.200							.0626	
93.000	-.6948							
93.500								.1401
94.000				-.3639				
99.100						-.0085		
101.400	-.6311		-.6394	-.6042	-.4102			
103.400	-.6572							
105.900					-.1884			
106.100							.0627	
115.600	-.6307	-.6371	-.7046	-.4397				
117.600					-.1183			
119.000						-.0085		
120.500							.0677	
124.400								.1183
133.100					-.1092			
133.500						-.0092		
133.800	-.6621	-.6195	-.6070	-.3190				
134.000							.0690	
142.500							.0707	
147.300						-.0048		
148.100					-.1243			
149.100	-.6156	-.5960	-.5406	-.3250				
156.200						-.0206		
157.900					-.1496			
159.500	-.6950							
180.000	-.6529	-.5001	-.4868	-.3222	-.1634	-.0400	.0659	.1202

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) W3EVRTC4+SPDBRK+STING

(RJPC36)

RN/L (1) = 2.051 ALPHA (8) = 14.147 BETA = .00000 MACH = .19997 Q(PSF) = 84.800

SECTION (1) TAIL CONE	DEPENDENT VARIABLE CP							
X/L8	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.3371	-.2846	-.2445	-.1473	-.0589	.0261	.1012
24.000							.0218	
27.800	-.2155							
28.700			-.3980					
29.400				-.2375				
30.400								.0795
31.300					-.1488			
33.800						-.0637		
41.000							.0260	
44.800				-.2449				.0834
50.100	-.2791	-.3217	-.3686	-.2326	-.1485			
52.900						-.0660		
64.000							-.0548	
67.200	-.6815							
71.500								.0499
72.200					-.2698			
75.900						-.1627		
82.800							.0530	
92.200							.0473	
93.000	-.7709							
93.500								.1233
94.000				-.4172				
99.100						-.0433		
101.400	-.6978		-.7021	-.6635	-.4612			
103.400	-.7302							
105.900					-.2431			
106.100							.0514	
115.600	-.7077	-.7116	-.7844	-.5004				
117.600					-.1828			
119.000						-.0528		
120.500							.0472	
124.400								.1084
133.100					-.1730			
133.500						-.0633		
133.800	-.7275	-.6811	-.6701	-.3765				
134.000							.0461	
142.500							.0447	
147.300						-.0504		
148.100					-.1950			
149.100	-.6710	-.6541	-.6083	-.4035				
156.200						-.0782		
157.900					-.2155			
159.500	-.7457							
180.000	-.7103	-.5465	-.5387	-.3854	-.2216	-.0916	.0360	.1078

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WHEVRTC4+SPDBRK+STING

(RJPC36)

RN/L ( 1 ) = 2.046 ALPHA ( 9 ) = 16.211 BETA = .00000 MACH = .19997

Q(PSF) = 84.800

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.3585	-.3085	-.2801	-.1835	-.0973	-.0105	.0734
24.000							-.0111	
27.800	-.2327							
28.700			-.4334					
29.400				-.2670				
30.400								.0451
31.300					-.1852			
33.800						-.1040		
41.000							-.0194	
44.800				-.2815				.0498
50.100	-.2962	-.3433	-.4085	-.2761	-.1934			
52.900						-.1185		
64.000							-.1183	
67.200	-.7120							
71.500								.0011
72.200					-.3127			
75.900						-.2195		
82.800							.0075	
92.200							-.0016	
93.000	-.8029							
93.500								.0914
94.000				-.4712				
99.100						-.1163		
101.400	-.7546		-.7433	-.6917	-.5092			
103.400	-.7923							
105.900					-.3188			
106.100							-.0069	
115.600	-.7727	-.7820	-.8398	-.5621				
117.600					-.2693			
119.000						-.1223		
120.500							-.0036	
124.400								.0732
133.100					-.2416			
133.500						-.1277		
133.800	-.7954	-.7413	-.7279	-.4328				
134.000							-.0008	
142.500							.0054	
147.300						-.1042		
148.100					-.2509			
149.100	-.7669	-.7512	-.7119	-.5005				
156.200						-.1455		
157.900					-.2929			
159.500	-.8052							
180.000	-.7844	-.6114	-.6101	-.4550	-.2967	-.1505	-.0020	.0913

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LARC LTPT 229(LAB1) WJEVERTC4+SPDBRK+STING

(RJPC36)

RN/L (1) = 2.040 ALPHA (10) = 18.235 BETA = .0000 MACH = .19997 Q(PSF) = 84.800

SECTION (1) TAIL CONE	DEPENDENT VARIABLE: CP							
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.3931	-.3501	-.3267	-.2353	-.1418	-.0522	.0439
24.000							-.0517	
27.800	-.2684							
28.700			-.4813					
29.400				-.3157				
30.400								.0108
31.300					-.2301			
33.800						-.1457		
41.000							-.0657	
44.800				-.3310				.0092
50.100	-.3287	-.3886	-.4633	-.3199	-.2469			
52.900						-.1651		
64.000							-.1716	
67.200	-.7491							
71.500								-.0481
72.200					-.3615			
75.900						-.2726		
82.800							-.0537	
92.200							-.0727	
93.000	-.8136							
93.500								.0315
94.000				-.5052				
99.100						-.1891		
101.400	-.7778		-.7550	-.7176	-.5589			
103.400	-.8131							
105.900					-.3901			
106.100							-.0567	
115.600	-.8045	-.8134	-.8697	-.6248				
117.600					-.3583			
119.000						-.2142		
120.500							-.0685	
124.400								.0126
133.100					-.3239			
133.500						-.2212		
133.800	-.8476	-.7940	-.7808	-.4781				
134.000							-.0523	
142.500							-.0439	
147.300						-.1639		
148.100					-.2853			
149.100	-.7995	-.7888	-.7600	-.5402				
156.200						-.1974		
157.900					-.3507			
159.500	-.8432							
180.000	-.8187	-.6582	-.6633	-.5159	-.3536	-.2068	-.0526	.0560

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WEEVRTC4+SPDBRK+STING

(RJPC37) ( 11 MAR 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = .000 AILRON = .000  
 SPDBRK = 25.000 MACH = .200

RN/L ( 1 ) = 4.045 ALPHA ( 1 ) = -2.064 BETA = .00000 MACH = .19955 Q(PSF) = 169.24

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE, CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.2485	-.1901	-.1056	-.0002	.0791	.1384	.1774
24.000							.1315	
27.800	-.2079							
28.700			-.2523					
29.400				-.1052				
30.400								.1749
31.300					-.0040			
33.800						.0771		
41.000							.1314	
44.800				-.1345				.1779
50.100	-.3114	-.3159	-.2907	-.1296	-.0261			
52.900						.0614		
64.000							.0694	
67.200	-.4127							
71.500								.1407
72.200					-.1677			
75.900						-.0395		
82.800							.1429	
92.200							.1466	
93.000	-.4405							
93.500								.1625
94.000				-.2561				
99.100						.0486		
101.400	-.3899		-.4118	-.4210	-.2843			
103.400	-.4133							
105.900					-.1035			
106.100							.1435	
115.600	-.4050	-.4285	-.4947	-.2721				
117.600					-.0703			
119.000						.0602		
120.500							1334	
124.400								.1787
133.100					-.0719			
133.500						.0615		
133.800	-.4781	-.4624	-.5396	-.2848				
134.000							1321	
142.500							1321	
147.300						.0436		

LARC LTPT 229(LAB1) WEEVRTC4+SPDBRK+STING

(RJPC37)

RN/L ( 1 ) = 4.045 ALPHA ( 1 ) = -2.064

SECTION ( 1 ) TAIL CONE				DEPENDENT VARIABLE CP				
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
148.100								
149.100	-.4657	-.4767	-.4870	-.3185				
156.200						.0115		
157.900					-.1332			
159.500	-.5601							
180.000	-.4630	-.4268	-.4068	-.2787	-.1404	-.0053	.1186	.1891

RN/L ( 1 ) = 4.041 ALPHA ( 2 ) = .020 BETA = .0000 MACH = .19955 Q(PSF) = 169.24

SECTION ( 1 ) TAIL CONE				DEPENDENT VARIABLE CP				
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.2469	-.1930	-.1121	-.0094	.0724	.1354	.1774
24.000							.1315	
27.800	-.1999							
28.700			-.2542					
29.400				-.1136				
30.400								.1719
31.300					-.0152			
33.800						.0678		
41.000							.1255	
44.800				-.1417				.1734
50.100	-.2875	-.2899	-.2954	-.1334	-.0346			
52.900						.0529		
64.000							.3589	
67.200	-.4252							
71.500								.1397
72.200					-.1803			
75.900						-.0529		
82.800							.1409	
92.200							.1469	
93.000	-.4546							
93.500								.1673
94.000				-.2692				
99.100						.0374		
101.400	-.4079		-.4267	-.4336	-.2967			
103.400	-.4274							
105.900						-.1233		
106.100							.1461	
115.600	-.4170	-.4395	-.5095	-.2891				
117.600					-.0716			
119.000						.0566		
120.500							.1389	

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WEICVRIC4+SPDBRK+STING

(RJPC37)

RN/L ( 1 ) = 4.041 ALPHA ( 2 ) = .020

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP							
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	
PHI									
124.400									.1764
133.100					-.0637				
133.500						.0638			
133.800	-.4961	-.4763	-.5378	-.2754					
134.000							.1338		
142.500							.1360		
147.300						.0563			
148.100					-.0867				
149.100	-.4865	-.4914	-.4871	-.3027					
156.200						.0315			
157.900					-.1146				
159.500	-.5785								
180.000	-.5027	-.4474	-.4114	-.2709	-.1206	.0158	.1301	.1907	

RN/L ( 1 ) = 4.036 ALPHA ( 3 ) = 1.933 BETA = .00000 MACH = .19955 Q(PSF) = 169.24

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP							
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	
PHI									
.000		-.2488	-.1929	-.1193	-.0179	.0636	.1294	.1740	
24.000							.1265		
27.800	-.1884								
28.700			-.2653						
29.400				-.1211					
30.400								.1694	
31.300					-.0269				
33.800						.0577			
41.000							.1194		
44.800				-.1467				.1731	
50.100	-.2667	-.2778	-.2988	-.1375	-.0443				
52.900						.0420			
64.000							.0507		
67.200	-.4308								
71.500								.1385	
72.200					-.1868				
75.900						-.0626			
82.800							.1372		
92.200							.1448		
93.000	-.4642								
93.500								.1729	
94.000				-.2750					
99.100						.0326			
101.400	-.4220		-.4353	-.4383	-.3009				

LARC LTPT 229(LA81) WB:VRTC4+SPDBRK+STING

(RJPC37)

RN/L ( 1 ) = 4.036 ALPHA ( 3 ) = 1.933

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP							
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	
PHI									
103.400	-.4360								
105.900					-.1399				
106.100							.1434		
115.600	-.4265	-.4502	-.5246	-.3038					
117.600					-.0723				
119.000						.0569			
120.500							.1432		
124.400								.1710	
133.100					-.0551				
133.500						.0659			
133.800	-.5124	-.4863	-.5375	-.2674					
134.000							.1368		
142.500							.394		
147.300						.0646			
148.100					-.0664				
149.100	-.5006	-.5005	-.4826	-.2833					
156.200						.0486			
157.900					-.0903				
159.500	-.5888								
180.000	-.5239	-.4526	-.4082	-.2549	-.0997	.0369	.1372	.1854	

RN/L ( 1 ) = 4.034 ALPHA ( 4 ) = 4.098 BETA = .01000 MACH = .19955 Q(PSF) = 169.24

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP							
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	
PHI									
.000		-.2514	-.1961	-.1322	-.0327	.0497	.193	.1686	
24.000							.164		
27.800	-.1482								
28.700			-.2734						
29.400				-.1322					
30.400								.1619	
31.300					-.0394				
33.800						.0428			
41.000							.087		
44.800				-.1544				.1678	
50.100	-.2415	-.2711	-.3064	-.1436	-.0558				
52.900						.0263			
64.000							.1410		
67.200	-.4396								
71.500								.1286	
72.200					-.1946				
75.900						-.0729			

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBI-VRTC4+SPDBRK+STING

(RJPC37)

RN/L ( 1 ) = 4.034 ALPHA ( 4 ) = 4.098

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP							
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
82.800							.342	
92.200							.1402	
93.000	-.4719							
93.500								.1782
94.000				-.2793				
99.100						.0288		
101.400	-.4381		-.4481	-.4410	-.3030			
103.400	-.4456							
105.900					-.1558			
106.100							.388	
115.600	-.4398	-.4653	-.5449	-.3285				
117.600					-.0756			
119.000						.0554		
120.500							.424	
124.400								.1667
133.100					-.0496			
133.500						.0654		
133.800	-.5324	-.4999	-.5367	-.2588				
134.000							.1352	
142.500							.374	
147.300						.0711		
148.100					-.0469			
149.100	-.5164	-.5094	-.4770	-.2628				
156.200						.0611		
157.900					-.0723			
159.500	-.6009							
180.000	-.5330	-.4724	-.4025	-.2406	-.0816	.0514	.1398	.1811

RN/L ( 1 ) = 4.044 ALPHA ( 5 ) = 6.072 BETA = .00000 MACH = .19955 Q(PSF) = 169.24

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP							
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.2621	-.2009	-.1488	-.0498	.0329	.1073	.1608
24.000							.1047	
27.800	-.1443							
28.700			-.2914					
29.400				-.1463				
30.400								.1490
31.300					-.0545			
33.800						.0290		
41.000							.0955	
44.800				-.1672				.1556

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LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK+STING

(RJPC37)

RN/L ( 1 ) = 4.044 ALPHA ( 5 ) = 6.072

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP							
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
50.100	-.2363	-.2757	-.3286	-.1548	-.0704			
52.900						.0109		
64.000							.0306	
67.200	-.4553							
71.500								.1250
72.200					-.2058			
75.900						-.0834		
82.800							.1313	
92.200							.1342	
93.000	-.4882							
93.500								.1809
94.000				-.2929				
99.100						.0226		
101.400	-.4953		-.4814	-.4653	-.3165			
103.400	-.4628							
105.900					-.1710			
106.100							.1300	
115.600	-.4674	-.4926	-.5763	-.3574				
117.600					-.0865			
119.000						.0448		
120.500							.1347	
124.400								.1628
133.100					-.0545			
133.500						.0525		
133.800	-.5539	-.5195	-.5422	-.2642				
134.000							.1348	
142.500							.1352	
147.300						.0682		
148.100					-.0449			
149.100	-.5386	-.5234	-.4772	-.2517				
156.200						.0628		
157.900					-.0671			
159.500	-.6137							
180.000	-.5420	-.4693	-.4064	-.2386	-.0782	.0537	.1388	.1772

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBFVRTC4+SPDBRK+STING

(RJPC37)

RN/L (1) = 4.037 ALPHA (6) = 7.995 BETA = .00000 MACH' = .19955 Q(PSF) = 169.24

SECTION (1) TAIL CONE	DEPENDENT VARIABLE CP							
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.2813	-.2176	-.1707	-.0725	.0142	.0917	.1493
24.000							.0890	
27.800	-.1589							
28.700			-.3181					
29.400				-.1657				
30.400								.1329
31.300					-.0736			
33.800						.0103		
41.000							.0830	
44.800				-.1873				.1412
50.100	-.2461	-.2977	-.3500	-.1756	-.0887			
52.900						-.0057		
64.000							.0213	
67.200	-.4846							
71.500								.1158
72.200					-.2152			
75.900						-.0953		
82.800							.1206	
92.200							.1263	
93.000	-.5295							
93.500								.1724
94.000				-.3120				
99.100						.0143		
101.400	-.5608		-.5413	-.5028	-.3376			
103.400	-.4973							
105.900					-.1883			
106.100							.1286	
115.600	-.5153	-.5385	-.6164	-.3806				
117.600					-.0976			
119.000						.0424		
120.500							.1113	
124.400								.1597
133.100					-.0714			
133.500						.0434		
133.800	-.5936	-.5516	-.5624	-.2844				
134.000							.1267	
142.500							.1254	
147.300						.0545		
148.100					-.0613			
149.100	-.5637	-.5477	-.4903	-.2623				
156.200						.0478		
157.900					-.0812			
159.500	-.6416							
180.000	-.5769	-.4632	-.4265	-.2570	-.0903	.0388	.1281	.1631



LARC LTPT 229(LAB1) WBE/RTC4+SPDBRK+STING

(RJPC37)

RN/L (1) = 4.034 ALPHA (7) = 10.069 BETA = .00300 MACH = .19955 Q(PSF) = 169.24

SECTION (1) TAIL CONE		DEPENDENT VARIABLE CP						
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000								
24.000		-.3106	-.2459	-.1943	-.0949	-.0078	.0732	.1381
27.800	-.1645						.0593	
28.700			-.3420					
29.400				-.1849				
30.400								.1245
31.300					-.0959			
33.800						-.0119		
41.000							.0596	
44.800				-.2083				.1332
50.100	-.2534	-.3148	-.3690	-.1932	-.1101			
52.900						-.0247		
64.000							.0321	
67.200	-.5404							
71.500								.1000
72.200					-.2265			
75.900						-.1137		
82.800							.1082	
92.200							.1082	
93.000	-.6334							
93.500								.1684
94.000				-.3462				
99.100						.0093		
101.400	-.6266		-.6027	-.5581	-.3725			
103.400	-.5951							
105.900					-.2012			
106.100							.1117	
115.600	-.5795	-.5981	-.6730	-.4176				
117.600					-.1113			
119.000						.0353		
120.500							.1127	
124.400								.1557
133.100					-.0914			
133.500						.0297		
133.800	-.6324	-.5895	-.5878	-.3071				
134.000							.1123	
142.500							.1092	
147.300						.0339		
148.100					-.0920			
149.100	-.5931	-.5763	-.5143	-.2933				
156.200						.0181		
157.900					-.1106			
159.500	-.6771							
180.000	-.6177	-.4844	-.4561	-.2917	-.1226	.0070	.1087	.1532

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBE/RTC4+SPDBRK+STING

(RJPC37)

RN/L ( 1 ) = 4.021 ALPHA ( 8 ) = 12.123 BETA = .00000 MACH = .19955 Q(PSF) = 169.24

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.3274	-.2587	-.2249	-.1242	-.0368	.0196	.1191
24.000							.0439	
27.800	-.1818							
28.700			-.3927					
29.400				-.2169				
30.400								.1015
31.300					-.1253			
33.800						-.0399		
41.000							.0508	
44.800				-.2339				.1056
50.100	-.2728	-.3204	-.3768	-.2167	-.1309			
52.900						-.0469		
64.000							-.0188	
67.200	-.6285							
71.500								.0817
72.200					-.2418			
75.900						-.1319		
82.800							.0931	
92.200							.0790	
93.000	-.7017							
93.500								.1461
94.000				-.3745				
99.100						-.0098		
101.400	-.7076		-.6741	-.6251	-.4270			
103.400	-.6647							
105.900					-.2167			
106.100							.0370	
115.600	-.6385	-.6581	-.7309	-.4583				
117.600					-.1405			
119.000						.0032		
120.500							.0903	
124.400								.1238
133.100					-.1264			
133.500						-.0018		
133.800	-.6735	-.6302	-.6176	-.3399				
134.000							.0764	
142.500							.0738	
147.300						-.0090		
148.100					-.1476			
149.100	-.6310	-.6165	-.5595	-.3522				
156.200						-.0343		
157.900					-.1629			
159.500	-.7181							
180.000	-.6569	-.5192	-.4899	-.3320	-.1706	-.0444	.0377	.1303

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 282

LARC LTPT 229(LAB1) WBEVTC4+SPDBRK+STING

(RJPC38) 14 ( 11 MAR 76 ) 11 11R

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = .000 AILRON = .000  
 SPDBRK = 25.000 MACH = .200

RN/L ( 1 ) = 6.118 ALPHA ( 1 ) = -1.984 BETA = .00000 MACH = .19963 Q(PSF) = 257.41

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE LP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.2549	-.1891	-.1082	-.0038	.0801	.1441	.1825
24.000							.1123	
27.800	-.2055							
28.700			-.2555					
29.400				-.1099				
30.400								.1799
31.300					-.0105			
33.800						.0749		
41.000							.1361	
44.800				-.1336				.1820
50.100	-.2995	-.3160	-.2929	-.1305	-.0260			
52.900						.0620		
64.000							.0717	
67.200	-.4201							
71.500								.1501
72.200					-.1689			
75.900						-.0413		
82.800							.1510	
92.200							.1554	
93.000	-.4487							
93.500								.1684
94.000				-.2624				
99.100						.0452		
101.400	-.4445		-.4338	-.4296	-.2925			
103.400	-.4208							
105.900					-.1084			
106.100							.1506	
115.600	-.4107	-.4394	-.5088	-.2780				
117.600					-.0694			
119.000						.0646		
120.500							.1403	
124.400								.1843
133.100					-.0738			
133.500						.0648		
133.800	-.4875	-.4684	-.5478	-.2930				
134.000							.1360	
142.500							.1352	
147.300						.0443		

DATE 05 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 283

LARC LTPT 229(LA81) WBEVRTC4+SPDBRK+STING

(RJPC38)

RN/L ( 1 ) = 6.118 ALPHA ( 1 ) = -1.984

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP							
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
148.100					- .1146			
149.100	-.4741	-.4862	-.4915	-.3228				
156.200					.0057			
157.900					-.1369			
159.500	-.5740							
180.000	-.4667	-.4273	-.4124	-.2801	-.1415	-.0086	.1219	.1958

RN/L ( 1 ) = -6.079 ALPHA ( 2 ) = .000 BETA = .00000 MACH = .19963 Q(PSF) = 257.41

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP							
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.2538	-.1896	-.1137	-.0099	.0727	.1287	.1778
24.000							.1169	
27.800	-.1968							
28.700			-.2597					
29.400				-.1169				
30.400								.1752
31.300					-.0175			
33.800						.0679		
41.000							.1296	
44.800				-.1436				.1756
50.100	-.2817	-.2953	-.3011	-.1344	-.0336			
52.900						.0526		
64.000							.0613	
67.200	-.4307							
71.500								.1450
72.200					-.1805			
75.900						-.0533		
82.800							.1458	
92.200							.1527	
93.000	-.4614							
93.500								.1721
94.000				-.2750				
99.100						.0355		
101.400	-.4591		-.4475	-.4414	-.3018			
103.400	-.4332							
105.900						-.1286		
106.100							.1500	
115.600	-.4196	-.4490	-.5220	-.2959				
117.600					-.0720			
119.000						.0617		
120.500							.1441	

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 284

LARC LTPT 229(LA81) WBE\RTC4+SPOBRK+STING

(RJPC38)

RN/L ( 1 ) = 6.079 ALPHA ( 2 ) = .000

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

124.400							.1789
133.100				-.0656			
133.500					.0689		
133.800	-.5069	-.4816	-.5492	-.2834			
134.000						.1378	
142.500						.1423	
147.300					.0559		
148.100							
149.100	-.4949	-.4996	-.4927	-.3077	-.0909		
156.200						.0270	
157.900					-.1183		
159.500	-.5912						
180.000	-.5001	-.4372	-.4139	-.2709	-.1257	.0144	.1331

RN/L ( 1 ) = 6.070 ALPHA ( 3 ) = 1.943 BETA = .00000 MACH = .19963 Q(PSF) = 257.41

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

.000		-.2543	-.1923	-.1217	-.0216	.0624	.1316	.1767
24.000							.1289	
27.800	-.1794							
28.700		-.2682						
29.400				-.1246				
30.400								.1714
31.300					-.0290			
33.800						.0554		
41.000							.1211	
44.800				-.1511				.1756
50.100	-.2615	-.2824	-.3063	-.1412	-.0453			
52.900						.0411		
64.000							.0513	
67.200	-.4365							
71.500								.1395
72.200					-.1877			
75.900						.0640		
82.800							.1431	
92.200							.1515	
93.000	-.4712							
93.500								.1755
94.000				-.2813				
99.100						.0278		
101.400	-.4705	-.4558	-.4471	-.3081				

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 285

LARC LTPT 229(LA81) WBEVITCH+SPDBRK+STING

(RJPC38)

RN/L ( 1 ) = 6.070 ALPHA ( 3 ) = 1.943

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE C <sup>2</sup>							
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	
PHI									
103.400	-.4443				-.1472				
105.900							.1473		
106.100									
115.600	-.4305	-.4602	-.5387	-.3119					
117.600					-.0722				
119.000						.0606			
120.500							.1478		
124.400								.1730	
133.100					-.0562				
133.500						.0704			
133.800	-.5224	-.4924	-.5445	-.2742					
134.000							.1406		
142.500							.1477		
147.300						.0681			
148.100					-.0691				
149.100	-.5098	-.5097	-.4868	-.2872					
156.200						.0468			
157.900					-.0948				
159.500	-.6007								
180.000	-.5165	-.4591	-.4123	-.2553	-.1000	.0358	.1420	.1948	

RN/L ( 1 ) = 6.066 ALPHA ( 4 ) = 3.977 BETA = .00030 MACH = .19963 Q(PSF) = 257.41

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE C <sup>2</sup>							
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	
PHI									
.000		-.2550	-.1907	-.1335	-.0350	.0501	.1210	.1729	
24.000							.1135		
27.800	-.1427								
28.700			-.2755						
29.400				-.1344					
30.400								.1637	
31.300					-.0402				
33.800						.0438			
41.000							.1116		
44.800				-.1590				.1695	
50.100	-.2337	-.2758	-.3132	-.1461	-.0566				
52.900						.0253			
64.000							.0442		
67.200	-.4454								
71.500								.1354	
72.200					-.1936				
75.900						-.0711			

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LARC LTPT 229(LAB1) WBEVTC4+SPDBRK+STING

(RJPC38)

RN/L ( 1 ) = 6.066 ALPHA ( 4 ) = 3.977

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
82.800							.1384	
92.200							.1492	
93.000	-.4786							
93.500								.1869
94.000				-.2844				
99.100						.0277		
101.400	-.4811		-.4652	-.4490	-.3073			
103.400	-.4508							
105.900					-.1619			
106.100							.1413	
115.600	-.4433	-.4738	-.5562	-.3355				
117.600					-.0757			
119.000						.0618		
120.500							.1494	
124.400								.1670
133.100					-.0491			
133.500						.0712		
133.800	-.5415	-.5038	-.5427	-.2649				
134.000							.1435	
142.500							.1445	
147.300						.0753		
148.100					-.0488			
149.100	-.5247	-.5183	-.4807	-.2653				
156.200						.0607		
157.900					-.0729			
159.500	-.6111							
180.000	-.5404	-.4688	-.4049	-.2439	-.0881	.0501	.1454	.1883

RN/L ( 1 ) = 6.074 ALPHA ( 5 ) = 5.971 BETA = .0000 MACH = .19963 Q(PSF) = 257.41

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
.000		-.2599	-.2009	-.1477	-.0480	.0380	.1102	.1662
24.000							.1094	
27.800	-.1382							
28.700			-.2866					
29.400				-.1447				
30.400								.1521
31.300					-.0527			
33.800						.0304		
41.000							.0565	
44.800				-.1699				.1562

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK+STING

(RJPC38)

RN/L ( 1 ) = 6.074 ALPHA ( 5 ) = 5.971

SECTION ( 1 )	TAIL CONE	DEPENDENT VARIABLE CIP							
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	
PHI									
50.100	-.2229	-.2706	-.3264	-.1536	-.0675				
52.900						.0118			
64.000							.0330		
67.200	-.4580								
71.500								.1308	
72.200					-.2015				
75.900						-.0820			
82.800							.1393		
92.200							.1442		
93.000	-.4924								
93.500								.1896	
94.000				-.2959					
99.100						.0251			
101.400	-.5036		-.4795	-.4648	-.3181				
103.400	-.4690								
105.900					-.1808				
106.100							.1391		
115.600	-.4611	-.4942	-.5864	-.3612					
117.600					-.0867				
119.000						.0559			
120.500							.1422		
124.400								.1665	
133.100					-.0524				
133.500						.0629			
133.800	-.5611	-.5209	-.5531	-.2645					
134.000							.1410		
142.500							.1434		
147.300						.0749			
148.100					-.0423				
149.100	-.5419	-.5317	-.4763	-.2542					
156.200						.0655			
157.900					-.0626				
159.500	-.6239								
180.000	-.5382	-.4637	-.4089	-.2373	-.0781	.0547	.1474	.1860	



DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVITC4+SPDBRK+STING

(RJPC38)

RN/L ( 1 ) = 6.095 ALPHA ( 6 ) = 8.005 BETA = .00070 MACH = .19963 Q(PSF) = 257.41

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE C<sub>P</sub>

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.2752	-.2140	-.1663	-.0690	.0164	.0973	.1554
24.000							.0910	
27.800	-.1387							
28.700			-.3169					
29.400				-.1612				
30.400								.1339
31.300					-.0702			
33.800						.0113		
41.000							.0876	
44.800				-.1850				.1433
50.100	-.2233	-.2800	-.3382	-.1673	-.0854			
52.900						-.0075		
64.000							.0254	
67.200	-.4881							
71.500								.1244
72.200				-.1988				
75.900					-.0887			
82.800							.1265	
92.200							.1299	
93.000	-.5342							
93.500								.1758
94.000				-.3073				
99.100						.0251		
101.400	-.5348		-.5167	-.4999	-.3467			
103.400	-.5120							
105.900					-.1941			
106.100							.1315	
115.600	-.5010	-.5307	-.6158	-.3895				
117.600					-.1051			
119.000						.0467		
120.500							.1316	
124.400								.1585
133.100					-.0684			
133.500						.0512		
133.800	-.5957	-.5478	-.5632	-.2885				
134.000							.1338	
142.500							.1373	
147.300						.0647		
148.100					-.0531			
149.100	-.5682	-.5552	-.4916	-.2628				
156.200						.0555		
157.900					-.0753			
159.500	-.6510							
180.000	-.5708	-.4765	-.4234	-.2525	-.0851	.0440	.1347	.1731

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK+STING

(RJPC38)

RN/L ( 1 ) = 6.053 ALPHA ( 7 ) = 10.009 BETA = .00000 MACH = .19963 Q(PSF) = 257.41

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.2828	-.2177	-.1834	-.0873	-.0019	.0767	.1460
24.000							.0737	
27.800	-.1386							
28.700		-.3330						
29.400			-.1741					
30.400								.1253
31.300					-.0853			
33.800						-.0084		
41.000							.0701	
44.800				-.1996				.1357
50.100	-.2264	-.2764	-.3454	-.1782	-.1011			
52.900						-.0269		
64.000							.0052	
67.200	-.5033							
71.500								.1117
72.200					-.2087			
75.900						-.1014		
82.800							.1160	
92.200							.1243	
93.000	-.5757							
93.500								.1779
94.000				-.3258				
99.100						.0089		
101.400	-.5794		-.5521	-.5317	-.3697			
103.400	-.5583							
105.900					-.2145			
106.100							.1250	
115.600	-.5463	-.5696	-.6522	-.4270				
117.600					-.1238			
119.000						.0384		
120.500							.1203	
124.400								.1594
133.100					-.0926			
133.500						.0478		
133.800	-.6255	-.5804	-.5774	-.3064				
134.000							.1223	
142.500							.1213	
147.300						.0429		
148.100					-.0833			
149.100	-.6001	-.5801	-.5145	-.2843				
156.200						.0268		
157.900					-.1047			
159.500	-.6879							
180.000	-.6135	-.4987	-.4475	-.2807	-.1137	.0171	.1202	.1678

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVKTC4+SPDBRK+STING

(RJPC39) ( 11 MAR 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = .000 AILRON = .000  
 SPDBRK = 25.000 MACH = .200

RN/L ( 1 ) = 8.045 ALPHA ( 1 ) = -2.064 BETA = .00000 MACH = .19935 Q(PSF) = 322.66

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.2622	-.2024	-.1089	-.0035	.0823	.1456	.1817
24.000							.1454	
27.800	-.2116							
28.700			-.2562					
29.400				-.1102				
30.400								.1823
31.300					-.0082			
33.800						.0769		
41.000							.1311	
44.800				-.1389				.1847
50.100	-.2997	-.3216	-.3008	-.1311	-.0263			
52.900						.0628		
64.000							.0747	
67.200	-.4294							
71.500								.1523
72.200					-.1677			
75.900						-.0365		
82.800							.1509	
92.200							.1548	
93.000	-.4546							
93.500								.1647
94.000				-.2667				
99.100						.0432		
101.400	-.4506		-.4412	-.4373	-.3014			
103.400	-.4296							
105.900					-.1137			
106.100							.1503	
115.600	-.4186	-.4487	-.5202	-.2855				
117.600					-.0733			
119.000						.0638		
120.500							.1366	
124.400								.1873
133.100					-.0786			
133.500						.0631		
133.800	-.4997	-.4775	-.5597	-.3024				
134.000							.1366	
142.500							.1374	
147.300						.0403		

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVR/C4+SPDBRK+STING

(RJPC39)

RN/L ( 1 ) = 8.045 ALPHA ( 1 ) = -2.064

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP							
X/LB		.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI									
148.100						-.1233			
149.100	-.4817	-.4953	-.4997	-.3292					
156.200						-.0004			
157.900						-.1433			
159.500	-.5806								
180.000	-.4628	-.4343	-.4182	-.2882	-.1444	-.0130	.1176	.1966	

RN/L ( 1 ) = 8.024 ALPHA ( 2 ) = .000 BETA = .00001 MACH = .19935 Q(PSF) = 322.66

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP							
X/LB		.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI									
.000			-.2570	-.1990	-.1141	-.0094	.0763	.1415	.1764
24.000								.1375	
27.800	-.2064								
28.700			-.2631						
29.400				-.1159					
30.400									.1754
31.300					-.0163				
33.800						.0708			
41.000							.1304		
44.800					-.1487				.1776
50.100	-.2746	-.3034	-.3014	-.1366	-.0347				
52.900						.0521			
64.000							.0643		
67.200	-.4382								
71.500									.1483
72.200					-.1765				
75.900						-.0488			
82.800							.1491		
92.200							.1569		
93.000	-.4669								
93.500									.1710
94.000				-.2768					
99.100						.0343			
101.400	-.4643		-.4528	-.4479	-.3102				
103.400	-.4417								
105.900					-.1340				
106.100							.1545		
115.600	-.4291	-.4585	-.5324	-.3009					
117.600					-.0746				
119.000						.0624			
120.500							.1473		

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DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 292

LARC LTPT 229(LA81) WBEVR 'C4+SPDBRK+STING

(RJPC39)

RN/L ( 1 ) = 8.024 ALPHA ( 2 ) = .000

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

124.400							.1823
133.100				-.0672			
133.500					.0706		
133.800	-.5174	-.4885	-.5574	-.2903			
134.000						.1397	
142.500						.1432	
147.300					.0550		
148.100				-.0962			
149.100	-.5021	-.5091	-.4991	-.3121			
156.200					.0241		
157.900				-.1220			
159.500	-.5999						
180.000	-.5040	-.4568	-.4200	-.2737	-.1250	.0101	.1326
							.1983

RN/L ( 1 ) = 8.017 ALPHA ( 3 ) = 2.104 BETA = .00000 MACH = .19935 Q(PSF) = 322.66

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

.000		-.2588	-.2017	-.1262	-.0245	.0614	.1307	.1750
24.000							.128	
27.800	-.1852							
28.700			-.2816					
29.400				-.1278				
30.400								.1713
31.300					-.0307			
33.800						.0555		
41.000							.1188	
44.800				-.1552				.1777
50.100	-.2524	-.2902	-.3083	-.1407	-.0481			
52.900						.0363		
64.000							.0522	
67.200	-.4466							
71.500								.1400
72.200					-.1866			
75.900						-.0599		
82.800							.1433	
92.200							.1533	
93.000	-.4787							
93.500								.1781
94.000				-.2856				
99.100						.0242		
101.400	-.4782		-.4649	-.4550	-.3148			

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 293

LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK+STING

(RJPC39)

RN/L ( 1 ) = 8.017 ALPHA ( 3 ) = 2.104

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

103.400	-.4525						
105.900				-.1558			
106.100						.1481	
115.600	-.4393	-.4721	-.5493	-.3236			
117.600				-.0770			
119.000					.0604		
120.500						.1514	
124.400							.1747
133.100				-.0587			
133.500					.0726		
133.800	-.5362	-.5011	-.5566	-.2814			
134.000						.1435	
142.500						.1474	
147.300					.0684		
148.100				-.0723			
149.100	-.5196	-.5201	-.4936	-.2909			
156.200					.0442		
157.900				-.0953			
159.500	-.6116						
180.000	-.5246	-.4643	-.4158	-.2577	-.1051	.0355	.1427
							.1964

RN/L ( 1 ) = 8.016 ALPHA ( 4 ) = 4.088 BETA = .00000 MACH = .19935 Q(PSF) = 322.66

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

.000		-.2607	-.1998	-.1360	-.0373	.0493	.122	.1743
24.000							.1183	
27.800	-.1408							
28.700		-.2950						
29.400			-.1375					
30.400								.1627
31.300				-.0425				
33.800					.0423			
41.000						.1107		
44.800				-.1612				.1716
50.100	-.2281	-.2804	-.3201	-.1475	-.0571			
52.900						.0230		
64.000							.0444	
67.200	-.4510							
71.500								.1388
72.200				-.1905				
75.900					-.0684			

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 294

LARC LTPT 229(LAB1) WBEVR C4+SPDBRK+STING

(RJPC39)

RN/L ( 1 ) = 8.016 ALPHA ( 4 ) = 4.088

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

82.800						.1411	
92.200						.1508	
93.000	-.4854						
93.500							.1892
94.000			-.2907				
99.100					.0249		
101.400	-.4889		-.4705	-.4564	-.3156		
103.400	-.4600						
105.900					-.1711		
106.100						.1433	
115.500	-.4530	-.4842	-.5674	-.3445			
117.600					-.0793		
119.000						.0612	
120.500						.1514	
124.400							.1717
133.100					-.0516		
133.500						.0740	
133.800	-.5526	-.5134	-.5509	-.2726			
134.000						.1467	
142.500						.1510	
147.300						.0785	
148.100					-.0512		
149.100	-.5323	-.5291	-.4853	-.2697			
156.200						.0612	
157.900					-.0768		
159.500	-.6226						
180.000	-.5366	-.4708	-.4176	-.2479	-.0870	.0519	.1481

RN/L ( 1 ) = 7.989 ALPHA ( 5 ) = 5.951 BETA = .00000 MACH = .19935 Q(PSF) = 322.66

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

.000		-.2630	-.2038	-.1479	-.0502	.0363	.1119	.1692
24.000							.1083	
27.800	-.1312							
28.700			-.3055					
29.400				-.1462				
30.400								.1556
31.300					-.0508			
33.800						.0307		
41.000							.0990	
44.800				-.1710				.1617

DATE 05 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 295

LARC LTPT 229(LAB1) WBEVR1C4+SPQBRK+STING

(RJPC39)

RN/L ( 1 ) = 7.989 ALPHA ( 5 ) = 5.951

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
50.100	-.2166	-.2753	-.3270	-.1534	-.0687			
52.900						.0095		
64.000							.0402	
67.200	-.4622							
71.500								.1357
72.200				-.1895				
75.900					-.0726			
82.800							.1431	
92.200							.1456	
93.000	-.4977							
93.500								.1943
94.000				-.2962				
99.100						.0225		
101.400	-.4992		-.4837	-.4645	-.3268			
103.400	-.4733							
105.900					-.1841			
106.100							.1409	
115.600	-.4698	-.5030	-.5928	-.3708				
117.600					-.0887			
119.000						.0551		
120.500							.1463	
124.400								.1734
133.100					-.0528			
133.500						.0678		
133.800	-.5713	-.5254	-.5541	-.2718				
134.000							.1500	
142.500							.1504	
147.300						.0799		
148.100					-.0430			
149.100	-.5497	-.5346	-.4821	-.2554				
156.200						.0683		
157.900					-.0630			
159.500	-.6309							
160.000	-.5304	-.4841	-.4064	-.2397	-.0748	.0592	.1548	.1867



DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 296

LARC LTPT 229(LAB1) WBEVR124+SPDBRK+STING

(RJPC39)

RN/L (1) = 8.012 ALPHA (6) = 8.194 BETA = .00000 MACH = .19935 Q(PSF) = 322.66

SECTION (1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.2781	-.2224	-.1708	-.0751	.0109	.0897	.1558
24.000							.0882	
27.800	-.1418							
28.700			-.3221					
29.400				-.1679				
30.400								.1379
31.300					-.0749			
33.800						.0085		
41.000							.0777	
44.800				-.1927				.1437
50.100	-.2239	-.2816	-.3474	-.1678	-.0888			
52.900						-.0113		
64.000							.0257	
67.200	-.4843							
71.500								.1253
72.200					-.1964			
75.900						-.0848		
82.800							.1330	
92.200							.1311	
93.000	-.5394							
93.500								.1831
94.000				-.3107				
99.100						.0186		
101.400	-.5485		-.5233	-.5028	-.3445			
103.400	-.5269							
105.900					-.1894			
106.100							.1360	
115.600	-.5136	-.5476	-.6327	-.4128				
117.600					-.1073			
119.000						.0451		
120.500							.1330	
124.400								.1666
133.100					-.0746			
133.500						.0532		
133.800	-.6068	-.5550	-.5803	-.2951				
134.000							.1324	
142.500							.1337	
147.300						.0654		
148.100					-.0587			
149.100	-.5811	-.5615	-.5002	-.2687				
156.200						.0533		
157.900					-.0804			
159.500	-.8658							
180.000	-.5829	-.4709	-.4248	-.2539	-.0900	.0403	.1370	.1739

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK+STING

(RJPC40) ( 11 MAR 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = .000 AILRON = .000  
 SPDBRK = 25.000 MACH = .200

RN/L ( 1 ) = 10.106 ALPHA ( 1 ) = -2.054 BETA = .00000 MACH = .20000 Q(PSF) = 412.29

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.2588	-.1972	-.1076	-.0022	.0833	.1485	.1858
24.000							.1465	
27.800	-.2070							
28.700			-.2560					
29.400				-.1112				
30.400								.1838
31.300					-.0078			
33.800						.0794		
41.000							.1393	
44.800				-.1392				.1869
50.100	-.3026	-.3274	-.3007	-.1319	-.0255			
52.900						.0626		
64.000							.0742	
67.200	-.4351							
71.500								.1577
72.200					-.1666			
75.900						-.0363		
82.800							.1565	
92.200							.1572	
93.000	-.4588							
93.500								.1706
94.000				-.2398				
99.100						.0422		
101.400	-.4514		-.4408	-.4397	-.3050			
103.400	-.4314							
105.900					-.1164			
106.100							.1549	
115.600	-.4217	-.4529	-.5241	-.2875				
117.600					-.0753			
119.000						.0650		
120.500							.1433	
124.400								.1900
133.100					-.0809			
133.500						.0659		
133.800	-.5018	-.4781	-.5642	-.3061				
134.000							.1380	
142.500							.1354	
147.300						.0385		

LARC LTPT 229(LA81) WBEVRTC4+SPDBRK+STING

(RJPC40)

RN/L ( 1 ) = 10.106      ALPHA ( 1 ) = -2.054

SECTION ( 1 )TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
------	-------	--------	--------	--------	--------	--------	--------	--------

PHI'

148.100					- .1264				
149.100	-.4841	-.4983	-.5011	-.3309					
156.200									
157.900									
159.500	-.5816				-.1473				
180.000	-.4617	-.4318	-.4184	-.2899	-.1504	-.0142	.1196	.1996	

RN/L ( 1 ) = 10.106 ALPHA ( 2 ) = .332 BETA = .00000 MACH = .20000 Q(PSF) = 412.29

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
------	-------	--------	--------	--------	--------	--------	--------	--------

PHI

[illegible]

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRT04+SPDBRK+STING

(RJPC40)

RN/L ( 1 ) = 10.106 / ALPHA ( 2 ) = .332

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

124.400								.1824
133.100					-.0694			
133.500						.0700		
133.800	-.5259	-.4942	-.5629	-.2949				
134.000							.1426	
142.500							.1464	
147.300						.0565		
148.100					-.0986			
149.100	-.5091	-.5164	-.5027	-.3136				
156.200						.0202		
157.900					-.1225			
159.500	-.6077							
180.000	-.4974	-.4550	-.4316	-.2846	-.1298	.0114	.1345	.2011

RN/L ( 1 ) = 10.090 ALPHA ( 3 ) = 2.103 BETA = .00000 MACH = .20000 Q(PSF) = 412.29

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

.000		-.2606	-.2001	-.1260	-.0250	.0601	.1317	.1788
24.000							.1281	
27.800	-.1627							
28.700			-.2751					
29.400				-.1304				
30.400								.1713
31.300					-.0296			
33.800						.0549		
41.000							.1202	
44.800				-.1557				.1785
50.100	-.2593	-.2876	-.3123	-.1420	-.0475			
52.900						.0363		
64.000							.0530	
67.200	-.4516							
71.500								.1442
72.200					-.1864			
75.900						-.0599		
82.800							.1476	
92.200							.1570	
93.000	-.4865							
93.500								.1888
94.000				-.2885				
99.100						.0317		
101.400	-.4812		-.4869	-.4584	-.3207			

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DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTCH+SPDBRK+STING

(RJPC40)

RN/L ( 1 ) = 10.090 ALPHA ( 3 ) = 2.103

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

103.400	-.4558						
105.900				-.1569			
106.100						.151E	
115.600	-.4421	-.4756	-.5566	-.3290			
117.600				-.0792			
119.000					.0627		
120.500						.152E	
124.400							.1768
133.100				-.0606			
133.500					.0735		
133.800	-.5408	-.5053	-.5589	-.2846			
134.000						.1451	
142.500						.150E	
147.300					.0703		
148.100				-.0756			
149.100	-.5230	-.5272	-.4956	-.2942			
156.200					.0459		
157.900				-.0972			
159.500	-.6180						
180.000	-.5076	-.4652	-.4197	-.2694	-.1015	.0326	.144E
							.1987

RN/L ( 1 ) = 10.018 ALPHA ( 4 ) = 3.947 BETA = .00000 MACH = .20000 Q(PSF) = 412.29

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

.000		-.2606	-.1982	-.1358	-.0380	.0496	.123E	.1764
24.000							.1203	
27.800	-.1385							
28.700			-.2909					
29.400				-.1377				
30.400								.1631
31.300					-.0395			
33.800						.0427		
41.000							.107E	
44.800				-.1620				.1689
50.100	-.2299	-.2810	-.3164	-.1449	-.0576			
52.900						.0231		
64.000							.045E	
67.200	-.4567							
71.500								.1425
72.200					-.1892			
75.900						-.0688		

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 301

LARC LTPT 229(LAB1) WBEVRTC4+SPOBRK+STING

(RJPC40)

RN/L ( 1 ) = 10.018 ALPHA ( 4 ) = 3.947

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP							
X/LB		.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI									
82.800								.1455	
92.200								.1541	
93.000	-.4922								
93.500									.1984
94.000					-.2927				
99.100							.0262		
101.400	-.4871		-.4731	-.4593	-.3201				
103.400	-.4640								
105.900					-.1748				
106.100							.1501		
115.600	-.4539	-.4882	-.5722	-.3483					
117.600					-.0791				
119.000						.0654			
120.500							.1544		
124.400									.1729
133.100					-.0512				
133.500						.0750			
133.800	-.5569	-.5127	-.5561	-.2754					
134.000							.1493		
142.500							.1520		
147.300						.0795			
148.100					-.0531				
149.100	-.5369	-.5309	-.4876	-.2701					
156.200						.0591			
157.900					-.0756				
159.500	-.6211								
180.000	-.5312	-.4765	-.4116	-.2448	-.0862	.0534	.1498	.1962	

RN/L ( 1 ) = 10.005 ALPHA ( 5 ) = 5.961 BETA = .00000 MACH = .20000 Q(PSF) = 412.29

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP							
X/LB		.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI									
.000			-.2647	-.2024	-.1497	-.0535	.0351	.1112	.1699
24.000								.1079	
27.800	-.1322								
28.700			-.3011						
29.400				-.1495					
30.400									.1496
31.300					-.0543				
33.800						.0314			
41.000							.0966		
44.800				-.1722					.1572

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1)- WBEVRT;4+SPDBRK+STING

(RJPC40)

RN/L ( 1 ) = 10.005 ALPHA ( 5 ) = 5.961

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

50.100	-.2177	-.2742	-.3229	-.1537	-.0696		
52.900						.0077	
64.000							.0391
67.200	-.4660						
71.500							.1413
72.200				-.1893			
75.900					-.0743		
82.800						.1433	
92.200						.1506	
93.000	-.5052						
93.500							.1998
94.000				-.3003			
99.100						.0255	
101.400	-.5016		-.4841	-.4708	-.3279		
103.400	-.4805						
105.900					-.1887		
106.100							.1445
115.600	-.4703	-.5070	-.5987	-.3784			
117.600					-.0898		
119.000						.0606	
120.500							.1511
124.400							.1688
133.100					-.0510		
133.500						.0693	
133.800	-.5758	-.5293	-.5571	-.2729			
134.000							.1517
142.500							.1544
147.300						.0813	
148.100					-.0426		
149.100	-.5515	-.5392	-.4818	-.2564			
156.200						.0700	
157.900					-.0647		
159.500	-.6282						
180.000	-.5176	-.4683	-.4109	-.2381	-.0737	.0527	.1548 .1914

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 303

LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK+STING

(RJPC41) ( 11 MAR 76 )

## REFERENCE DATA

SREF = 2890.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = .000 AILRON = .000  
 SPDBRK = 25.000 MACH = .300

RN/L ( 1 ) = 8.065 ALPHA ( 1 ) = -2.024 BETA = .00000 MACH = .29923 Q(P5F) = 504.77

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.2656	-.2028	-.1096	-.0039	.0826	.1430	.1787
24.000							.1409	
27.800	-.2124							
28.700			-.2617					
29.400				-.1126				
30.400								.1755
31.300					-.0097			
33.800						.0785		
41.000							.1329	
44.800				-.1377				.1764
50.100	-.3204	-.3442	-.3104	-.1352	-.0255			
52.900						.0637		
64.000							.0715	
67.200	-.4445							
71.500								.1535
72.200				-.1728				
75.900					-.0419			
82.800							.1517	
92.200							.1540	
93.000	-.4643							
93.500								.1659
94.000				-.2741				
99.100						.0407		
101.400	-.4562		-.4486	-.4484	-.3056			
103.400	-.4378							
105.900					-.1156			
106.100							.1517	
115.600	-.4285	-.4598	-.5321	-.2908				
117.600					-.0757			
119.000						.0646		
120.500							.1397	
124.400								.1843
133.100					-.0807			
133.500						.0627		
133.800	-.5111	-.4895	-.5746	-.3081				
134.000							.1364	
142.500							.1354	
147.300						.0409		



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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRT4+SPDBRK+STING

(RJPC41)

RN/L ( 1 ) = 8.065 ALPHA ( 1 ) = -2.024

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

148.100								
149.100	-.4922	-.5075	-.5174	-.3402	-.1237			
156.200						-.0001		
157.900					-.1472			
159.500	-.5923							
180.000	-.4894	-.4463	-.4434	-.3018	-.1561	-.0146	.1187	.1963

RN/L ( 1 ) = 8.108 ALPHA ( 2 ) = -.020 BETA = .00000 MACH = .29923 Q(PSF) = 504.77

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

.000		-.2651	-.2046	-.1160	-.0092	.0750	.1394	.1753
24.000							.1366	
27.800	-.2036							
28.700			-.2745					
29.400				-.1199				
30.400								.1729
31.300					-.0173			
33.800						.0692		
41.000							.1277	
44.800				-.1492				.1754
50.100	-.3104	-.3266	-.3054	-.1376	-.0353			
52.900						.0519		
64.000							.0612	
67.200	-.4539							
71.500								.1464
72.200				-.1791				
75.900					-.0537			
82.800							.1458	
92.200							.1534	
93.000	-.4749							
93.500								.1681
94.000				-.2838				
99.100						.0296		
101.400	-.4709		-.4630	-.4598	-.3185			
103.400	-.4499							
105.900					-.1367			
106.100							.1533	
115.600	-.4386	-.4697	-.5449	-.3089				
117.600					-.0780			
119.000						.0617		
120.500							.1454	

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRT(4+SPDBRK+STING

(RJPC41)

RN/L ( 1 ) = 8.108 ALPHA ( 2 ) = -.020

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP							
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	
PHI									
124.400									.1787
133.100					-.0703				
133.500						.0690			
133.800	-.5302	-.5038	-.5745	-.3003					
134.000							.1377		
142.500							.1407		
147.300						.0544			
148.100					-.1004				
149.100	-.5157	-.5235	-.5184	-.3234					
156.200						.0211			
157.900					-.1271				
159.500	-.6105								
180.000	-.5236	-.4661	-.4453	-.2929	-.1365	.0086	.1313	.1984	

RN/L ( 1 ) = 8.075 ALPHA ( 3 ) = 2.457 BETA = .00000 MACH = .29923 Q(PSF) = 504.77

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP							
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	
PHI									
.000		-.2683	-.2055	-.1315	-.0293	.0562	.1262	.1741	
24.000							.1242		
27.800	-.1577								
28.700			-.2853						
29.400				-.1345					
30.400								.1672	
31.300					-.0359				
33.800						.0498			
41.000							.1136		
44.800				-.1611				.1732	
50.100	-.2611	-.2993	-.3226	-.1501	-.0529				
52.900						.0309			
64.000							.0466		
67.200	-.4571								
71.500								.1367	
72.200					-.1912				
75.900						-.0688			
82.800							.1400		
92.200							.1489		
93.000	-.4898								
93.500								.1787	
94.000				-.2903					
99.100						.0268			
101.400	-.4879		-.4760	-.4677	-.3231				

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRT(4+SPDBRK+STING

(RJPC41)

RN/L ( 1 ) = 8.075 ALPHA ( 3 ) = 2.457

SECTION ( 1 ) TAIL CONE DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

103.400	-.4625						
105.900				-.1578			
106.100						.1460	
115.600	-.4525	-.4858	-.5657	-.3351			
117.600				-.0809			
119.000					.0600		
120.500						.1487	
124.400							.1664
133.100				-.0598			
133.500					.0713		
133.800	-.5543	-.5176	-.5706	-.2851			
134.000						.1400	
142.500						.1432	
147.300					.0688		
148.100				-.0683			
149.100	-.5365	-.5350	-.5103	-.2963			
156.200					.0495		
157.900				-.0943			
159.500	-.6258						
180.000	-.5500	-.4880	-.4367	-.2733	-.0994	.0391	.1411
							.1932

RN/L ( 1 ) = 8.023 ALPHA ( 4 ) = 3.981 BETA = .00000 MACH = .29923 Q(PSF) = 504.77

SECTION ( 1 ) TAIL CONE DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

.000		-.2677	-.2043	-.1424	-.0403	.0475	.1187	.1711
24.000							.1172	
27.800	-.1471							
28.700			-.2950					
29.400				-.1428				
30.400								.1591
31.300					-.0445			
33.800						.0408		
41.000							.1062	
44.800				-.1662				.1628
50.100	-.2379	-.2834	-.3250	-.1548	-.0619			
52.900						.0193		
64.000							.0425	
67.200	-.4683							
71.500								.1363
72.200					-.1943			
75.900						-.0755		

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK+STING

(RJPC41)

RN/L ( 1 ) = 8.023 ALPHA ( 4 ) = 3.981

SECTION ( 1 ) TAIL CONE				DEPENDENT VARIABLE CP				
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
82.800							.1413	
92.200							.1494	
93.000	-.4978							
93.500								.1931
94.000				-.2950				
99.100						.0291		
101.400	-.4939		-.4807	-.4682	-.3234			
103.400	-.4698							
105.900					-.1713			
106.100							.1426	
115.600	-.4620	-.4969	-.5819	-.3544				
117.600				-	-.0843			
119.000						.0604		
120.500							.1490	
124.400								.1636
133.100					-.0538			
133.500						.0714		
133.800	-.5668	-.5257	-.5677	-.2773				
134.000							.1436	
142.500							.1485	
147.300						.0767		
148.100					-.0521			
149.100	-.5496	-.5409	-.5032	-.2768				
156.200						.0618		
157.900					-.0766			
159.500	-.6284							
180.000	-.5563	-.4852	-.4321	-.2588	-.0847	.0518	.1470	.1895

RN/L ( 1 ) = 8.041 ALPHA ( 5 ) = 5.991 BETA = .00000 MACH = .29923 Q(PSF) = 504.77

SECTION ( 1 ) TAIL CONE				DEPENDENT VARIABLE CP				
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.2800	-.2141	-.1594	-.0576	.0307	.1066	.1631
24.000							.1033	
27.800	-.1499							
28.700			-.3153					
29.400				-.1577				
30.400								.1458
31.300					-.0607			
33.800						.0252		
41.000							.0937	
44.800				-.1809				.1500

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK+STING

(RJPC41)

RN/L ( 1 ) = 8.041 ALPHA ( 5 ) = 5.991

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
50.100	-.2321	-.2818	-.3306	-.1628	-.0760			
52.900						.0031		
64.000							.0325	
67.200	-.4899							
71.500								.1318
72.200					-.1956			
75.900						-.0867		
82.800							.1342	
92.200							.1385	
93.000	-.5185							
93.500								.1909
94.000				-.3075				
99.100						.0206		
101.400	-.5135		-.5017	-.4849	-.3374			
103.400	-.4907							
105.900					-.1860			
106.100							.1375	
115.600	-.4868	-.5216	-.6111	-.3871				
117.600					-.0960			
119.000						.0532		
120.500							.1403	
124.400								.1612
133.100					-.0589			
133.500						.0623		
133.800	-.5931	-.5454	-.5739	-.2813				
134.000							.1430	
142.500							.1423	
147.300						.0729		
148.100					-.0470			
149.100	-.5677	-.5557	-.5016	-.2648				
156.200						.0636		
157.900					-.0709			
159.500	-.6461							
180.000	-.5607	-.4670	-.4280	-.2530	-.0801	.0564	.1459	.1823

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK+STING

(RJPC42) ( 11 MAR 76 )

## REFERENCE DATA

## PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

ELEVON = .000 AILRON = .000  
 SPDBRK = 25.000 MACH = .300

RN/L ( 1 ) = 6.092 ALPHA ( 1 ) = -2.114 BETA = .00000 MACH = .29887 Q(PSF) = 383.43

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP							
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.2644	-.2058	-.1084	-.0001	.0820	.1422	.1742
24.000							.1381	
27.800	-.2142							
28.700			-.2592					
29.400				-.1106				
30.400								.1734
31.300					-.0070			
33.800						.0788		
41.000							.1324	
44.800				-.1327				.1736
50.100	-.3166	-.3490	-.3030	-.1337	-.0244			
52.900						.0639		
64.000							.0710	
67.200	-.4373							
71.500								.1470
72.200					-.1711			
75.900						-.0435		
82.800							.1468	
92.200							.1493	
93.000	-.4594							
93.500								.1593
94.000				-.2703				
99.100						.0431		
101.400	-.4522		-.4480	-.4479	-.3041			
103.400	-.4325							
105.900					-.1114			
106.100							.1467	
115.600	-.4249	-.4548	-.5256	-.2879				
117.600					-.0761			
119.000						.0618		
120.500							.1341	
124.400								.1784
133.100					-.0801			
133.500						.0618		
133.800	-.5046	-.4850	-.5696	-.3038				
134.000							.1312	
142.500							.1323	
147.300						.0409		

DATE 06 MAY 76

TABULATED SOURCE DATA -- LAB1

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK+STING

(RJPC42)

RN/L ( 1) = 6.092 ALPHA ( 1) = -2.114

SECTION ( 1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

148.100							
149.100	-.4880	-.5028	-.5156	-.3377	-.1210		
156.200						.0030	
157.900					-.1457		
159.500	-.5809						
180.000	-.4808	-.4410	-.4406	-.3004	-.1524	-.0118	.1187 .1920

RN/L ( 1) = 6.057 ALPHA ( 2) = -.040 BETA = .00000 MACH = .29887 Q(PSF) = 383.43

SECTION ( 1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

.000		-.2624	-.2059	-.1142	-.0091	.0749	.1350 .1701
24.000							.1334
27.800	-.2064						
28.700			-.2675				
29.400				-.1174			
30.400							.1690
31.300					-.0164		
33.800						.0697	
41.000							.1257
44.800				-.1426			.1688
50.100	-.3057	-.3261	-.3098	-.1387	-.0334		
52.900						.0540	
64.000							.0598
67.200	-.4451						
71.500							.1404
72.200					-.1811		
75.900						-.0562	
82.800							.1433
92.200							.1491
93.000	-.4707						
93.500							.1639
94.000				-.2786			
99.100						.0338	
101.400	-.4680		-.4618	-.4591	-.3157		
103.400	-.4431						
105.900					-.1307		
106.100							.1480
115.600	-.4337	-.4639	-.5391	-.3063			
117.600					-.0794		
119.000						.0578	
120.500							.1405

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK+STING

(RJPC42)

RN/L ( 1 ) = 6.057 ALPHA ( 2 ) = -.040

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP							
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
124.400								.1737
133.100					-.0710			
133.500						.0631		
133.800	-.5243	-.4987	-.5693	-.2953				
134.000							.1341	
142.500							.1386	
147.300						.0537		
148.100					-.0967			
149.100	-.5092	-.5173	-.5151	-.3199				
156.200						.0255		
157.900					-.1252			
159.500	-.6014							
180.000	-.5225	-.4618	-.4401	-.2912	-.1307	.0122	.1290	.1938

RN/L ( 1 ) = 6.050 ALPHA ( 3 ) = 1.953 BETA = .00000 MACH = .29887 Q(PSF) = 383.43

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP							
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.2631	-.2074	-.1261	-.0225	.0620	.1282	.1713
24.000							.1267	
27.800	-.1710							
28.700			-.2783					
29.400				-.1278				
30.400								.1672
31.300					-.0295			
33.800						.0562		
41.000							.1186	
44.800				-.1520				.1713
50.100	-.2764	-.2996	-.3193	-.1433	-.0450			
52.900						.0394		
64.000							.0501	
67.200	-.4531							
71.500								.1354
72.200					-.1912			
75.900						-.0661		
82.800							.1389	
92.200							.1468	
93.000	-.4845							
93.500								.1742
94.000				-.2848				
99.100						.0331		
101.400	-.4799		-.4717	-.4651	-.3224			

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTCH+SPDBRK+STING

(RJPC42)

RN/L ( 1 ) = 6.050 ALPHA ( 3 ) = 1.953

SECTION ( 1 ) TAIL CONE				DEPENDENT VARIABLE CP				
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
103.400	-.4537							
105.900					-.1469			
106.100							.1450	
115.600	-.4451	-.4748	-.5546	-.3251				
117.600					-.0799			
119.000						.0564		
120.500							.1439	
124.400								.1686
133.100					-.0614			
133.500						.0675		
133.800	-.5409	-.5106	-.5663	-.2835				
134.000							.1371	
142.500							.1415	
147.300						.0641		
148.100					-.0726			
149.100	-.5272	-.5275	-.5074	-.2983				
156.200						.0462		
157.900					-.0984			
159.500	-.6133							
180.000	-.5447	-.4701	-.4351	-.2714	-.1047	.0355	.1373	.1884

RN/L ( 1 ) = 6.048 ALPHA ( 4 ) = 4.279 BETA = .00000 MACH = .29887 Q(PSF) = 383.43

SECTION ( 1 ) TAIL CONE				DEPENDENT VARIABLE CP				
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.2643	-.2056	-.1394	-.0387	.0472	.1190	.1696
24.000							.1172	
27.800	-.1549							
28.700			-.2906					
29.400				-.1414				
30.400								.1618
31.300					-.0442			
33.800						.0408		
41.000							.1085	
44.800				-.1644				.1648
50.100	-.2385	-.2820	-.3238	-.1504	-.0591			
52.900						.0235		
64.000							.0410	
67.200	-.4616							
71.500								.1334
72.200					-.1965			
75.900						-.0782		

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK+STING

(RJPC42)

RN/L ( 1 ) = 6.048 ALPHA ( 4 ) = 4.279

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP						
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
82.800							.1368	
92.200							.1463	
93.000	-.4959							
93.500								.1870
94.000				-.2936				
99.100						.0287		
101.400	-.4904		-.4799	-.4691	-.3258			
103.400	-.4659							
105.900					-.1665			
106.100							.1369	
115.600	-.4584	-.4914	-.5795	-.3531				
117.600					-.0847			
119.000						.0552		
120.500							.1450	
124.400								.1645
133.100					-.0556			
133.500						.0650		
133.800	-.5601	-.5229	-.5612	-.2731				
134.000							.1391	
142.500							.1420	
147.300						.0732		
148.100					-.0509			
149.100	-.5438	-.5368	-.4992	-.2730				
156.200						.0646		
157.900					-.0729			
159.500	-.6215							
180.000	-.5565	-.4783	-.4302	-.2572	-.0832	.0528	.1450	.1866

RN/L ( 1 ) = 6.052 ALPHA ( 5 ) = 6.152 BETA = .00000 MACH = .29887 Q(PSF) = 383.43

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP						
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.2824	-.2217	-.1616	-.0602	.0294	.1044	.1592
24.000							.1014	
27.800	-.1563							
28.700			-.3167					
29.400				-.1606				
30.400								.1463
31.300					-.0627			
33.800						.023		
41.000							.0949	
44.800				-.1827				.1491

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4+SPOBRK+STING

(RJPC42)

RN/L ( 1 ) = 6.052 ALPHA ( 5 ) = 6.152

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
50.100	-.2472	-.2917	-.3378	-.1673	-.0764			
52.900						.0089		
64.000							.0258	
67.200	-.4862							
71.500								.1232
72.200					-.2066			
75.900						-.0920		
82.800							.1302	
92.200							.1339	
93.000	-.5235							
93.500								.1830
94.000				-.3051				
99.100						.0180		
101.400	-.5311		-.5121	-.4925	-.3436			
103.400	-.4931							
105.900					-.1856			
106.100							.1288	
115.600	-.4918	-.5238	-.6107	-.3837				
117.600					-.1015			
119.000						.0452		
120.500							.1321	
124.400								.1580
133.100					-.0650			
133.500						.0518		
133.800	-.5907	-.5475	-.5743	-.2845				
134.000							.1335	
142.500							.1356	
147.300						.0661		
148.100					-.0518			
149.100	-.5685	-.5543	-.5061	-.2698				
156.200						.0611		
157.900					-.0731			
159.500	-.6427							
180.000	-.5668	-.4713	-.4310	-.2563	-.0820	.0514	.1405	.1735

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK+STING

(RJPC42)

RN/L ( 1 ) = 6.033 ALPHA ( 6 ) = 8.015 BETA = .00000 MACH = .29887

Q(PSF) = 383.43

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.2953	-.2344	-.1800	-.0779	.0123	.0912	.1531
24.000							.0885	
27.800	-.1610							
28.700			-.3294					
29.400				-.1756				
30.400								.1377
31.300					-.0793			
33.800						.0073		
41.000							.0847	
44.800				-.1978				.1426
50.100	-.2488	-.2939	-.3532	-.1791	-.0924			
52.900						-.0085		
64.000							.0195	
67.200	-.5202							
71.500								.1189
72.200					-.2094			
75.900						-.1020		
82.800							.1220	
92.200							.1281	
93.000	-.5602							
93.500								.1763
94.000				-.3214				
99.100						.0137		
101.400	-.5620		-.5381	-.5189	-.3649			
103.400	-.5297							
105.900					-.2008			
105.100							.1277	
115.600	-.5232	-.5517	-.6404	-.4118				
117.600					-.1174			
119.000						.0391		
120.500							.1281	
124.400								.1609
133.100					-.0926			
133.500						.0425		
133.800	-.6180	-.5718	-.5847	-.3011				
134.000							.1282	
142.500							.1277	
147.300						.0546		
148.100					-.0652			
149.100	-.5928	-.5743	-.5180	-.2773				
156.200						.0477		
157.900					-.0840			
159.500	-.6697							
180.000	-.6270	-.4751	-.4500	-.2726	-.1024	.0346	.1321	.1700

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 316

LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK+STING

(RJPC43) ( 11 MAR 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = .000 AILRON = .000  
 SPDBRK = 25.000 MACH = .300

RN/L ( 1 ) = 3.977 ALPHA ( 1 ) = -1.994 BETA = .00000 MACH = .29856 Q(PSF) = 252.40

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP							
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.2582	-.1799	-.1066	-.0005	.0796	.1356	.1670
24.000							.1331	
27.800	-.2136							
28.700			-.2451					
29.400				-.1080				
30.400								.1647
31.300					-.0066			
33.800						.0775		
41.000							.1263	
44.800				-.1292				.1630
50.100	-.3151	-.3429	-.3021	-.1331	-.0232			
52.900						.0628		
64.000							.0666	
67.200	-.4247							
71.500								.1387
72.200					-.1702			
75.900						-.0431		
82.800							.1396	
92.200							.1440	
93.000	-.4530							
93.500								.1564
94.000				-.2632				
99.100						.0462		
101.400	-.4463		-.4430	-.4423	-.2953			
103.400	-.4263							
105.900					-.1075			
106.100							.1407	
115.600	-.4176	-.4446	-.5142	-.2812				
117.600					-.0738			
119.000						.0601		
120.500							.1293	
124.400								.1706
133.100					-.0753			
133.600						.0582		
133.800	-.4952	-.4798	-.5599	-.2951				
134.000							.1259	
142.500							.1296	
147.300							.0446	

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 317

LARC LTPT 229(LA81) WBEVRTC4+SPDBRK+STING

(RJPC43)

RN/L ( 1 ) = 3.977 ALPHA ( 1 ) = -1.994

SECTION ( 1 ) TAIL CONE DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI								
148.100								
149.100	-.4823	-.4947	-.5104	-.3317				
156.200						.0109		
157.900						-.1380		
159.500	-.5700							
180.000	-.5000	-.4389	-.4358	-.2967	-.1468	-.0060	.1182	.1874

RN/L ( 1 ) = 3.960 ALPHA ( 2 ) = -.070 BETA = .00000 MACH = .29856 Q(PSF) = 252.40

SECTION ( 1 ) TAIL CONE DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI								
.000		-.2565	-.1967	-.1103	-.0053	.0753	.1315	.1615
24.000							.1287	
27.800	-.2068							
28.700		-.2523						
29.400			-.1145					
30.400								.1602
31.300					-.0136			
33.800						.0725		
41.000							.1206	
44.800				-.1368				.1608
50.100	-.2993	-.3243	-.3014	-.1348	-.0303			
52.900						.0556		
64.000							.0575	
67.200	-.4382							
71.500								.1345
72.200					-.1822			
75.900						-.0553		
82.800							.1363	
92.200							.1431	
93.000	-.4646							
93.500								.1562
94.000			-.2723					
99.100						.0382		
101.400	-.4606		-.4573	-.4544	-.3068			
103.400	-.4372							
105.900					-.1244			
106.100							.1424	
115.600	-.4274	-.4530	-.5275	-.2981				
117.600					-.0759			
119.000						.0559		
120.500							.1340	

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LARC LTPT 229(LAB1) WBEVRTC4+SPDRRK+STING

(RJPC43)

RN/L ( 1 ) = 3.960 ALPHA ( 2 ) = -.070

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

124.400							.1671
133.100					-.0683		
133.500						.0610	
133.800	-.5129	-.4923	-.5605	-.2866			
134.000						.1290	
142.500						.1325	
147.300						.0532	
148.100					-.0899		
149.100	-.5023	-.5090	-.5112	-.3157			
156.200						.0302	
157.900					-.1203		
159.500	-.5887						
180.000	-.5303	-.4546	-.4394	-.2885	-.1273	.0130	.1261
							.1863

RN/L ( 1 ) = 3.949 ALPHA ( 3 ) = 2.225 BETA = .00000 MACH = .29856 Q(PSF) = 252.40

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

.000		-.2612	-.2028	-.1251	-.0207	.0608	.1251	.1658
24.000							.1228	
27.800	-.1926							
28.700			-.2685					
29.400				-.1273				
30.400								.1603
31.300					-.0293			
33.800						.0560		
41.000							.1165	
44.800				-.1528				.1639
50.100	-.2694	-.2943	-.3126	-.1424	-.0464			
52.900						.0409		
64.000							.0475	
67.200	-.4441							
71.500								.1310
72.200					-.1937			
75.900						-.0690		
82.800							.1341	
92.200							.1403	
93.000	-.4814							
93.500								.1693
94.000				-.2822				
99.100						.0345		
101.400	-.4760		-.4690	-.4633	-.3152			

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 319

LARC LTPT 229(LA81) WBEVRTC4+SPDBRK+STING

(RJPC43)

RN/L ( 1 ) = 3.949 ALPHA ( 3 ) = 2.225

SECTION ( 1 ) TAIL CONE				DEPENDENT VARIABLE CP				
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
103.400	-.4494				-.1415			
105.900							.1360	
106.100								
115.600	-.4418	-.4673	-.5454	-.3197				
117.600					-.0789			
119.000						.0545		
120.500							.1375	
124.400								.1619
133.100					-.0587			
133.500						.0633		
133.800	-.5339	-.5075	-.5571	-.2753				
134.000							.1302	
142.500							.1340	
147.300						.0635		
148.100					-.0648			
149.100	-.5209	-.5207	-.5036	-.2934				
156.200						.0489		
157.900					-.0924			
159.500	-.6021							
180.000	-.5508	-.4734	-.4313	-.2651	-.0987	.0387	.1328	.1810

RN/L ( 1 ) = 3.933 ALPHA ( 4 ) = 3.997 BETA = .00000 MACH = .29856 Q(PSF) = 252.40

SECTION ( 1 ) TAIL CONE				DEPENDENT VARIABLE CP				
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.2627	-.2034	-.1358	-.0331	.0500	.1197	.1671
24.000							.1175	
27.800	-.1663							
28.700			-.2802					
29.400				-.1377				
30.400								.1590
31.300					-.0411			
33.800						.0444		
41.000							.1109	
44.800				-.1609				.1635
50.100	-.2492	-.2878	-.3229	-.1477	-.0569			
52.900						.0286		
64.000							.0411	
67.200	-.4528							
71.500								.1265
72.200					-.1988			
75.900						-.0764		



DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 320

LARC LTPT 229(LA81) WBEVRTC4+SPDBRK+STING

(RJPC43)

RN/L ( 1 ) = 3.933 ALPHA ( 4 ) = 3.997

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

82.800

92.200

93.000

93.500

94.000

99.100

101.400

103.400

105.900

106.100

115.600

117.600

119.000

120.500

124.400

133.100

133.500

133.800

134.000

142.500

147.300

148.100

149.100

156.200

157.900

159.500

180.000

.1311

.1378

.1785

-.2869

.0316

-.4741

-.4659

-.3163

-.1556

.1323

-.4510

-.4771

-.5634

-.3392

-.0810

.0535

.1391

.1612

-.0536

.0625

-.5482

-.5155

-.5550

-.2675

.1326

.1348

.0685

-.5334

-.5269

-.4968

-.2726

-.0498

.0613

-.0755

.0513

.1374

.1783

RN/L ( 1 ) = 3.927 ALPHA ( 5 ) = 5.991 BETA = .00000 MACH = .29856 Q(PSF) = 252.40

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490

PHI

.000

24.000

27.800

28.700

29.400

30.400

31.300

33.800

41.000

44.800

-.2783

-.2185

-.1572

-.0526

.0335

.1072

.1028

.1579

-.1698

-.3044

-.1548

-.0595

.0272

.0984

.1475

-.1765

.0984

.1508

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK+STING

(RJPC43)

RN/L ( 1 ) = 3.927 ALPHA ( 5 ) = 5.991

SECTION ( 1 )	TAIL CONE	DEPENDENT VARIABLE CP							
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	
PHI									
50.100	-.2497	-.2933	-.3363	-.1615	-.0714				
52.900						.0134			
64.000							.0285		
67.200	-.4720								
71.500								.1187	
72.200					-.2123				
75.900						-.0921			
82.800							.1223		
92.200							.1275		
93.000	-.5093								
93.500								.1764	
94.000				-.3044					
99.100						.0215			
101.400	-.5149		-.5056	-.4875	-.3352				
103.400	-.4765								
105.900					-.1753				
106.100							.1251		
115.600	-.4840	-.5109	-.5961	-.3729					
117.600					-.0955				
119.000						.0461			
120.500							.1300		
124.400								.1566	
133.100					-.0607				
133.500						.0505			
133.800	-.5773	-.5406	-.5639	-.2758					
134.000							.1281		
142.500							.1284		
147.300						.0632			
148.100					-.0500				
149.100	-.5561	-.5441	-.4980	-.2662					
156.200						.0587			
157.900					-.0704				
159.500	-.6273								
180.000	-.5634	-.4733	-.4291	-.2504	-.0777	.0524	.1336	.1717	

DATE 06 MAY 76

TABULATED SOURCE DATA -- LAB1

PAGE 322

LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK+STING

(RJPC43)

RN/L ( 1 ) = 3.933 ALPHA ( 6 ) = 8.126 BETA = .00000 MACH = .29856 Q(PSF) = 252.40

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.3061	-.2388	-.1857	-.0789	.0107	.0909	.1484
24.000							.0877	
27.800	-.1833							
28.700			-.3373					
29.400				-.1832				
30.400								.1330
31.300					-.0835			
33.800						.0052		
41.000							.0859	
44.800				-.1999				.1376
50.100	-.2712	-.3231	-.3674	-.1865	-.0906			
52.900						-.0029		
64.000							.0135	
67.200	-.5548							
71.500								.1081
72.200					-.2251			
75.900						-.1064		
82.800							.1151	
92.200							.1189	
93.000	-.5622							
93.500								.1644
94.000				-.3263				
99.100						.0107		
101.400	-.5989		-.5709	-.5392	-.3638			
103.400	-.5276							
105.900					-.1937			
106.100							.1171	
115.600	-.5480	-.5679	-.6458	-.4021				
117.600					-.1115			
119.000						.0408		
120.500							.1172	
124.400								.1536
133.100					-.0849			
133.500						.0363		
133.800	-.6201	-.5784	-.5885	-.3022				
134.000							.1166	
142.500							.1162	
147.300						.0458		
148.100					-.0707			
149.100	-.5899	-.5731	-.5173	-.2792				
156.200						.0394		
157.900					-.0907			
159.500	-.6653							
180.000	-.6370	-.4735	-.4511	-.2759	-.1078	.0252	.1214	.1567

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 323

LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK+STING

(RJPC43)

RN/L ( 1 ) = 3.945 ALPHA ( 7 ) = 10.009 BETA = .00000 MACH = .29856 Q(PSF) = 252.40

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490
PHI								
.000		-.3294	-.2624	-.2124	-.1060	-.0123	.0707	.1351
24.000							.0658	
27.800	-.1941							
28.700			-.3669					
29.400				-.2063				
30.400								.1170
31.300					-.1082			
33.800						-.0176		
41.000							.0673	
44.800				-.2273				.1241
50.100	-.2908	-.3355	-.3905	-.2113	-.1173			
52.900						-.0299		
64.000							-.0000	
67.200	-.6052							
71.500								.0989
72.200					-.2388			
75.900						-.1191		
82.800							.1008	
92.200							.1003	
93.000	-.6577							
93.500								.1613
94.000				-.3534				
99.100						.0051		
101.400	-.6556		-.6284	-.5870	-.3987			
103.400	-.6133							
105.900					-.1998			
106.100							.1022	
115.600	-.5980	-.6188	-.6917	-.4324				
117.600					-.1252			
119.000						.0280		
120.500							.1039	
124.400								.1387
133.100					-.1064			
133.500						.0203		
133.800	-.6538	-.6133	-.6133	-.3271				
134.000							.1010	
142.500							.0999	
147.300						.0243		
148.100					-.1035			
149.100	-.6221	-.6045	-.5466	-.3139				
156.200						.0078		
157.900					-.1307			
159.500	-.6982							
180.000	-.6802	-.4985	-.4855	-.3110	-.1404	-.0081	.0968	.1430

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DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 324

LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK+BOTTOM STRUT

(RJPC44) ( 11 MAR 76 )

## REFERENCE DATA

## PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

ELEVON = .000 AILRON = .000  
 SPDBRK = 25.000 MACH = .200

RN/L ( 1 ) = 2.029 ALPHA ( 1 ) = -2.034 BETA = .00000 MACH = .19998 Q(P5F) = 82.150

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.1627	-.2044	-.0765	-.0060	.0582	.1161	.1639	.1981	.2081
24.000							.1148			
27.800	-.1998									
28.700			-.1593							
29.400				-.0862						
30.400								.1615		
31.300					-.0129					
33.800						.0544				
41.000							.1173			
44.800				-.1229				.1623	.1976	
50.100	-.4177	-.3836	-.3088	-.1456	-.0312				.1955	
52.900						.0482				
64.000							.0121			
67.200	-.4181									
71.500								.1269		
72.200					-.2006					
75.900						-.0510				
82.800							.1329			
92.200							.1330			
93.000	-.4524									
93.500								.1718		
94.000				-.2664						
99.100						.0405				
101.400	-.4455		-.4447	-.4425	-.2924				.1937	
103.400	-.4289									
105.900					-.1101					
106.100							.1237			
115.600	-.4176	-.4368	-.5013	-.2786					.1997	
117.600					-.0794					
119.000						.0499				
120.500							.1116			
124.400								.1547		
133.100					-.0816					
133.500						.0477				
133.800	-.4848	-.4762	-.5486	-.2926					.2009	
134.000							.1088			
142.500							.1135			
147.300						.0316				

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 325

LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK+BOTTOM STRUT

(RJPC44)

RN/L ( 1 ) = 2.029 ALPHA ( 1 ) = -2.034

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

148.100										
149.100	-.4712	-.4834	-.5011	-.3275					.2015	
156.200						.0009				
157.900						-.1443				
159.500	-.5540									
180.000	-.4718	-.4368	-.4254	-.2929	-.1496	-.0170	.0999	.1720	.2015	.2081

RN/L ( 1 ) = 2.025 ALPHA ( 2 ) = .050 BETA = .00000 MACH = .19998 Q(PSF) = 82.150

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.1589	-.2057	-.0805	-.0106	.0528	.1106	.1605	.1971	.2091
24.000							.1093			
27.800	-.1958									
28.700			-.1579							
29.400				-.0893						
30.400								.1602		
31.300					-.0156					
33.800						.0492				
41.000							.1105			
44.800				-.1259				.1589	.1960	
50.100	-.4209	-.3738	-.3137	-.1465	-.0364				.1946	
52.900						.0410				
64.000							.0067			
67.200	-.4296									
71.500								.1239		
72.200					-.2135					
75.900						-.0621				
82.800							.1268			
92.200							.1328			
93.000	-.4665									
93.500								.1722		
94.000				-.2770						
99.100						.0346				
101.400	-.4605		-.4600	-.4541	-.3031				.1906	
103.400	-.4414									
105.900					-.1268					
106.100							.1257			
115.600	-.4268	-.4459	-.5143	-.2925					.1986	
117.600					-.0794					
119.000						.0476				
120.500							.1169			

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK+BOTTOM STRUT

(RJPC44)

RN/L ( 1 ) = 2.025 ALPHA ( 2 ) = .050

SECTION ( 1 ) TAIL CONE					DEPENDENT VARIABLE CP					
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
124.400								.1555		
133.100					-.0727					
133.500						.0512				
133.800	-.5014	-.4892	-.5477	-.2821					.1998	
134.000							.1111			
142.500							.1168			
147.300						.0422				
148.100					-.0939					
149.100	-.4912	-.4975	-.4990	-.3106					.2009	
156.200						.0211				
157.900					-.1229					
159.500	-.5721									
180.000	-.5033	-.4517	-.4273	-.2821	-.1300	.0045	.1102	.1699	.2013	.2091

RN/L ( 1 ) = 2.013 ALPHA ( 3 ) = 1.974 BETA = .00000 MACH = .19998 Q(PSF) = 82.150

SECTION ( 1 ) TAIL CONE					DEPENDENT VARIABLE CP					
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.1557	-.2097	-.0865	-.0178	.0460	.1048	.1581	.1929	.2051
24.000							.1032			
27.800	-.1916									
28.700			-.1586							
29.400				-.0946						
30.400								.1597		
31.300					-.0220					
33.800						.0421				
41.000							.1045			
44.800				-.1309				.1584	.1949	
50.100	-.4036	-.3679	-.3193	-.1480	-.0427				.1930	
52.900						.0350				
64.000							.0046			
67.200	-.4351									
71.500								.1212		
72.200					-.2235					
75.900						-.0730				
82.800							.1251			
92.200							.1297			
93.000	-.4751									
93.500								.1737		
94.000				-.2843						
99.100						.0263				
101.400	-.4729		-.4703	-.4629	-.3106				.1896	

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 327

LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK+BOTTOM STRUT

(RJPC44)

RN/L ( 1 ) = 2.013 ALPHA ( 3 ) = 1.974

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

103.400	-.4497								
105.900					-.1482				
106.100							.1230		
115.600	-.4372	-.4559	-.5293	-.3083				.1939	
117.600					-.0796				
119.000						.0477			
120.500							.1208		
124.400								.1572	
133.100					-.0645				
133.500						.0528			
133.800	-.5176	-.4994	-.5463	-.2729				.1978	
134.000							.1127		
142.500							.1186		
147.300						.0511			
148.100					-.0735				
149.100	-.5057	-.5055	-.4945	-.2907				.1990	
156.200						.0370			
157.900					-.1009				
159.500	-.5847								
180.000	-.5159	-.4628	-.4173	-.2635	-.1071	.0263	.1151	.1651	.1966

RN/L ( 1 ) = 2.007 ALPHA ( 4 ) = 4.138 BETA = .00000 MACH = .19998 Q(PSF) = .82.150

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.1551	-.2117	-.0940	-.0278	.0366	.0963	.1557	.1925	.2087
24.000							.0949			
27.800	-.1861									
28.700			-.1639							
29.400				-.1017						
30.400								.1576		
31.300					-.0309					
33.800						.0324				
41.000							.0985			
44.800				-.1375				.1576	.1947	
50.100	-.3540	-.3537	-.3188	-.1452	-.0507				.1932	
52.900						.0274				
64.000							.0090			
67.200	-.4383									
71.500								.1157		
72.200					-.2305					
75.900						-.0821				



DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 328

LARC LTPT 229(LA81) WSEVRTC4+SPDBRK+BOTTOM STRUT

(RJPC44)

RN/L ( 1 ) = 2.007 ALPHA ( 4 ) = 4.138

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE: CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
82.800							.1195			
92.200							.1235			
93.000	-.4821									
93.500								.1712		
94.000				-.2885						
99.100						.0221				
101.400	-.4815		-.4778	-.4654	-.3143				.1912	
103.400	-.4576									
105.900					-.1575					
106.100							.1176			
115.600	-.4495	-.4697	-.5478	-.3288					.1921	
117.600					-.0821					
119.000						.0458				
120.500							.1223			
124.400								.1639		
133.100					-.0576					
133.500						.0509				
133.800	-.5348	-.5112	-.5434	-.2641					.1973	
134.000							.1161			
142.500							.1185			
147.300						.0556				
148.100					-.0566					
149.100	-.5202	-.5148	-.4873	-.2698					.1990	
156.200						.0480				
157.900					-.0812					
159.500	-.5931									
180.000	-.5383	-.4787	-.4163	-.2505	-.0914	.0352	.1204	.1669	.1997	.2087

RN/L ( 1 ) = 2.009 ALPHA ( 5 ) = 6.011 BETA = .00000 MACH = .19998 Q(PSF) = 82.150

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE: CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.1684	-.2301	-.1124	-.0444	.0199	.0825	.1447	.1880	.2077
24.000							.0809			
27.800	-.1970									
28.700			-.1831							
29.400				-.1179						
30.400								.1486		
31.300					-.0473					
33.800						.0161				
41.000							.0847			
44.800				-.1516				.1483	.1885	

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) W3EVRTCH+SPDBRK+BOTTOM STRUT

(RJPC44)

RN/L ( 1 ) = 2.009 ALPHA ( 5 ) = 6.011

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE: CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
50.100	-.3484	-.3577	-.3320	-.1562	-.0657				.1887	
52.900						.0099				
64.000							-.0060			
67.200	-.4701									
71.500								.1051		
72.200					-.2434					
75.900						-.0958				
82.800							.1097			
92.200							.1132			
93.000	-.5132									
93.500								.1629		
94.000				-.3043						
99.100						.0148				
101.400	-.5153		-.5086	-.4840	-.3288				.1926	
103.400	-.4860									
105.900					-.1737					
106.100							.1099			
115.600	-.4800	-.5004	-.5767	-.3557					.1886	
117.600					-.0963					
119.000						.0376				
120.500							.1129			
124.400								.1594		
133.100					-.0657					
133.500						.0403				
133.800	-.5650	-.5358	-.5556	-.2727					.1923	
134.000							.1089			
142.500							.1111			
147.300						.0475				
148.100					-.0581					
149.100	-.5464	-.5320	-.4947	-.2670					.1941	
156.200						.0418				
157.900					-.0831					
159.500	-.6128									
180.000	-.5535	-.4931	-.4271	-.2589	-.0974	.0311	.1157	.1644	.1943	.2077

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OF POOR QUALITY

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK+BOTTOM STRUT

(RJPC44)

RN/L ( 1 ) = 2.009 ALPHA ( 6 ) = 8.106 BETA = .00000 MACH = .19998 Q(PSF) = 82.150

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.1917	-.2571	-.1347	-.0665	-.0001	.0645	.1294	.1784	.2009
24.000							.0626			
27.800	-.2240									
28.700			-.2095							
29.400				-.1409						
30.400								.1327		
31.300					-.0691					
33.800						-.0037				
41.000							.0649			
44.800				-.1720				.1344	.1808	
50.100	-.3525	-.3722	-.3568	-.1727	-.0853				.1819	
52.900						-.0090				
64.000							-.0213			
67.200	-.5397									
71.500								.0954		
72.200					-.2522					
75.900						-.1046				
82.800							.0978			
92.200							.1003			
93.000	-.5907									
93.500								.1506		
94.000				-.3235						
99.100						.0112				
101.400	-.5893		-.5690	-.5307	-.3493				.1918	
103.400	-.5527									
105.900					-.1830					
106.100							.1004			
115.600	-.5364	-.5488	-.6172	-.3801					.1823	
117.600					-.1084					
119.000						.0339				
120.500							.1014			
124.400								.1480		
133.100					-.0866					
133.500						.0308				
133.800	-.5993	-.5663	-.5721	-.2941					.1841	
134.000							.0997			
142.500							.1010			
147.300						.0353				
148.100					-.0758					
149.100	-.5720	-.5568	-.5082	-.2790					.1859	
156.200						.0267				
157.900					-.1006					
159.500	-.6424									
180.000	-.5678	-.4831	-.4421	-.2745	-.1137	.0129	.1053	.1569	.1869	.2009

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) W3EVRTC4+SPDBRK+BOTTOM STRUT

(RJPC44)

RN/L ( 1 ) = 2.009 ALPHA ( 7 ) = 10.139 BETA = .00000 MACH = .19998 Q(PSF) = 82.150

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2036	-.2740	-.1541	-.0873	-.0199	.0443	.1150	.1722	.2010
24.000							.0440			
27.800	-.2347									
28.700			-.2236							
29.400				-.1594						
30.400								.1178		
31.300					-.0883					
33.800						-.0238				
41.000							.0458			
44.800				-.1932				.1192	.1757	
50.100	-.3707	-.3920	-.3890	-.1930	-.1055				.1768	
52.900						-.0297				
64.000							-.0352			
67.200	-.5911									
71.500								.0811		
72.200					-.2644					
75.900						-.1188				
82.800							.0834			
92.200							.0826			
93.000	-.6551									
93.500								.1392		
94.000				-.3493						
99.100						.0012				
101.400	-.6535		-.6238	-.5759	-.3743				.1905	
103.400	-.6151									
105.900					-.1937					
106.100							.0810			
115.600	-.5901	-.5979	-.6625	-.4063					.1803	
117.600					-.1127					
119.000						.0223				
120.500							.0852			
124.400								.1333		
133.100					-.0993					
133.500						.0202				
133.800	-.6327	-.6003	-.5900	-.3108					.1803	
134.000							.0836			
142.500							.0859			
147.300						.0177				
148.100					-.0996					
149.100	-.6006	-.5832	-.5284	-.3024					.1810	
156.200						.0022				
157.900					-.1257					
159.500	-.6707									
180.000	-.6079	-.4908	-.4666	-.2989	-.1404	-.0140	.0853	.1498	.1827	.2010

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 332

LARC LTPT 229(LAB1) W3EVRTC4+SPDBRK+BOTTOM STRUT

(RJPC44)

RN/L (1) = 2.008 ALPHA (8) = 12.053 BETA = .00000 MACH = .19998 Q(PSF) = 82.150

SECTION (1) TAIL CONE

DEPENDENT VARIABLE: CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2970
PH1										
.000		-.2181	-.2929	-.1777	-.1123	-.0461	.0203	.0944	.1619	.1979
24.000							.0200			
27.800	-.2530									
28.700			-.2426							
29.400				-.1834						
30.400								.0953		
31.300					-.1142					
33.800						-.0495				
41.000							.0164			
44.800				-.2213				.0955	.1638	
50.100	-.3843	-.4084	-.4144	-.2218	-.1314				.1638	
52.900						-.0581				
64.000							-.0586			
67.200	-.6406									
71.500								.0566		
72.200					-.2824					
75.900						-.1374				
82.800							.0600			
92.200							.0536			
93.000	-.7217									
93.500								.1189		
94.000				-.3850						
99.100						-.0229				
101.400	-.7210		-.6873	-.6260	-.4036				.1832	
103.400	-.6824									
105.900					-.2024					
106.100							.0450			
115.600	-.6506	-.6596	-.7163	-.4345					.1730	
117.600					-.1164					
119.000						-.0171				
120.500							.0481			
124.400								.1136		
133.100					-.1114					
133.500						-.0186				
133.800	-.6774	-.6366	-.6142	-.3263					.1730	
134.000							.0499			
142.500							.0575			
147.300						-.0146				
148.100					-.1333					
149.100	-.6327	-.6135	-.5577	-.3387					.1750	
156.200						-.0382				
157.900					-.1657					
159.500	-.7063									
180.000	-.6608	-.5110	-.4971	-.3359	-.1784	-.0536	.0545	.1346	.1771	.1979

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) W3EVRTCH+SPDBRK+BOTTOM STRUT

(RJPC44)

RN/L (1) = 2.008 ALPHA (9) = 14.056 BETA = .0000 MACH = .19998 Q(PSF) = 82.150

SECTION (1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2287	-.3045	-.1982	-.1366	-.0707	-.0009	.0757	.1475	.1829
24.000							-.0030			
27.800	-.2699									
28.700			-.2651							
29.400				-.2066						
30.400								.0810		
31.300					-.1380					
33.800						-.0742				
41.000							-.0058			
44.800				-.2451				.0819	.1475	
50.100	-.3735	-.4059	-.4358	-.2464	-.1557				.1465	
52.900						-.0844				
64.000							-.0864			
67.200	-.6841									
71.500								.0318		
72.200					-.3062					
75.900						-.1749				
82.800							.0391			
92.200							.0357			
93.000	-.7944									
93.500								.1011		
94.000				-.4336						
99.100						-.0568				
101.400	-.7724		-.7407	-.6738	-.4571				.1604	
103.400	-.7612									
105.900					-.2542					
106.100							.0256			
115.600	-.7164	-.7229	-.7850	-.4954					.1470	
117.600					-.1817					
119.000						-.0531				
120.500							.0277			
124.400								.0941		
133.100					-.1755					
133.500						-.0639				
133.800	-.7370	-.6947	-.6775	-.3854					.1520	
134.000							.0295			
142.500							.0312			
147.300						-.0610				
148.100					-.2065					
149.100	-.6846	-.6664	-.6205	-.4136					.1542	
156.200						-.0944				
157.900					-.2291					
159.500	-.7551									
180.000	-.7178	-.5564	-.5501	-.3943	-.2366	-.1053	.0212	.1166	.1565	.1829

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTCH+SPDBRK+BOTTOM STRUT

(RJPC44)

RN/L (1) = 2.018 ALPHA (10) = 16.312 BETA = .00000 MACH = .19998 Q(PSF) = 82.150

SECTION (1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2446	-.3292	-.2340	-.1739	-.1077	-.0351	.0467	.1184	.1506
24.000							-.0377			
27.800	-.2907									
28.700			-.2964							
29.400				-.2421						
30.400								.0549		
31.300					-.1753					
33.800						-.1142				
41.000							-.0455			
44.800				-.2765				.0514	.1150	
50.100	-.3888	-.4146	-.4426	-.2774	-.1903				.1152	
52.900						-.1239				
64.000							-.1231			
67.200	-.7049									
71.500								-.0216		
72.200					-.3514					
75.900						-.2312				
82.800							-.0094			
92.200							-.0173			
93.000	-.8310									
93.500								.0678		
94.000				-.4813						
99.100						-.1311				
101.400	-.8137		-.7783	-.7142	-.5345				.1168	
103.400	-.8122									
105.900					-.3284					
106.100							-.0299			
115.600	-.7780	-.7905	-.8576	-.5822					.1139	
117.600					-.2922					
119.000						-.1497				
120.500							-.0355			
124.400								.0607		
133.100					-.2667					
133.500						-.1541				
133.800	-.8110	-.7560	-.7491	-.4533					.1222	
134.000							-.0196			
142.500							-.0160			
147.300						-.1232				
148.100					-.2735					
149.100	-.7859	-.7708	-.7338	-.5313					.1251	
156.200						-.1626				
157.900					-.3172					
159.500	-.8175									
180.000	-.7866	-.6236	-.6243	-.4725	-.3133	-.1705	-.0226	.0831	.1263	.1506

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK+BOTTOM STRUT

(RJPC45) ( 11 MAR 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = .000 AILRON = .000  
 SPDBRK = 25.000 MACH = .200

RN/L ( 1 ) = 4.069 ALPHA ( 1 ) = -2.084 BETA = .03000 MACH = .19983 Q(PSF) = 167.69

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.1679	-.2064	-.0787	-.0088	.0580	.1193	.1689	.2045	.2190
24.000							.1196			
27.800	-.1991									
28.700			-.1637							
29.400				-.0914						
30.400								.1680		
31.300					-.0150					
33.800						.0553				
41.000							.1207			
44.800				-.1317				.1690	.2039	
50.100	-.4861	-.3861	-.3229	-.1513	-.0326				.2018	
52.900						.0444				
64.000							.3156			
67.200	-.4222									
71.500								.1339		
72.200					-.2077					
75.900						-.0558				
82.800							.1391			
92.200							.1395			
93.000	-.4623									
93.500								.1817		
94.000				-.2748						
99.100						.0356				
101.400	-.4578		-.4541	-.4533	-.3050				.1961	
103.400	-.4372									
105.900					-.1176					
106.100							.1310			
115.600	-.4261	-.4537	-.5209	-.2889					.2078	
117.600					-.0843					
119.000						.0506				
120.500							.1178			
124.400								.1643		
133.100					-.0883					
133.500						.0476				
133.800	-.4983	-.4837	-.5633	-.3044					.2087	
134.000							.1138			
142.500							.1180			
147.300						.0273				

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TABULATED SOURCE DATA - LAB1

PAGE 336

LARC LTPT 229(LAB1) WB VRTC4+SPDBRK+BOTTOM STRUT

(RJPC45)

RN/L ( 1 ) = 4.069 ALPHA ( 1 ) = -2.084

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870.

PHI

148.100										
149.100	-.4836	-.4959	-.5089	-.3381	-.1275				.2095	
156.200						-.0073				
157.900					-.1509					
159.500	-.5736									
180.000	-.4705	-.4407	-.4331	-.3029	-.1590	-.0256	.0996	.1808	.2110	.2190

RN/L ( 1 ) = 4.064 ALPHA ( 2 ) = -.050 BETA = .00000 MACH = .19983 Q(PSF) = 167.69

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.1636	-.2075	-.0829	-.0143	.0525	.1137	.1653	.2035	.2173
24.000							.1128			
27.800	-.1976									
28.700			-.1643							
29.400				-.0938						
30.400								.1640		
31.300					-.0175					
33.800						.0501				
41.000							.1118			
44.800				-.1350				.1647	.2021	
50.100	-.4674	-.3786	-.3247	-.1492	-.0379				.1987	
52.900						.0365				
64.000							.1164			
67.200	-.4321									
71.500								.1288		
72.200					-.2219					
75.900						-.0660				
82.800							.1344			
92.200							.1385			
93.000	-.4745									
93.500								.1800		
94.000				-.2830						
99.100						.0295				
101.400	-.4724		-.4700	-.4648	-.3180				.1934	
103.400	-.4494									
105.900					-.1353					
106.100							.1349			
115.600	-.4361	-.4624	-.5328	-.3052					.2069	
117.600					-.0853					
119.000						.0485				
120.500							.1255			

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TABULATED SOURCE DATA - LAB1

PAGE 337

LARC LTPT 229(LAB1) WEZVRTC4+SPDBRK+BOTTOM STRUT

(RJPC45)

RN/L ( 1 ) = 4.064 ALPHA ( 2 ) = -.050

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
124.400								.1636		
133.100					-.0798					
133.500						.0522				
133.800	-.5169	-.4962	-.5631	-.2957					.2084	
134.000							.1165			
142.500							.1251			
147.300						.0400				
148.100					-.1052					
149.100	-.5036	-.5096	-.5100	-.3217					.2075	
156.200						.0155				
157.900					-.1315					
159.500	-.5922									
180.000	-.4997	-.4556	-.4330	-.2922	-.1428	-.0030	.1099	.1807	.2090	.2173

RN/L ( 1 ) = 4.082 ALPHA ( 3 ) = 2.004 BETA = .00000 MACH = .19983 Q(PSF) = 167.69

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.1615	-.2125	-.0894	-.0209	.0449	.1062	.1622	.1997	.2170
24.000							.1059			
27.800	-.1927									
28.700			-.1671							
29.400				-.0994						
30.400								.1636		
31.300					-.0249					
33.800						.0395				
41.000							.1029			
44.800				-.1392				.1627	.2005	
50.100	-.4189	-.3729	-.3289	-.1505	-.0455				.2006	
52.900						.0299				
64.000							.0134			
67.200	-.4361									
71.500								.1256		
72.200					-.2321					
75.900						-.0767				
82.800							.1297			
92.200							.1371			
93.000	-.4862									
93.500								.1806		
94.000				-.2918						
99.100						.0209				
101.400	-.4852		-.4802	-.4740	-.3224				.1966	

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

PAGE 338

LARC LTPT 229(LAB1) WEEVRTC4+SPDBRK+BOTTOM STRUT

(RJPC45)

RN/L ( 1 ) = 4.082 ALPHA ( 3 ) = 2.004

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
103.400	-.4586									
105.900					-.1524					
106.100							.1322			
115.600	-.4456	-.4730	-.5482	-.3227					.2032	
117.600					-.0857					
119.000						.0480				
120.500							.1294			
124.400								.1658		
133.100					-.0699					
133.500						.0553				
133.800	-.5341	-.5070	-.5605	-.2851					.2072	
134.000							.1191			
142.500							.1265			
147.300						.0505				
148.100					-.0821					
149.100	-.5197	-.5214	-.5031	-.3016					.2072	
156.200						.0346				
157.900					-.1085					
159.500	-.6046									
180.000	-.5311	-.4765	-.4284	-.2760	-.1156	.0180	.1221	.1773	.2078	.2170

RN/L ( 1 ) = 4.044 ALPHA ( 4 ) = 4.018 BETA = .00000 MACH = .19983 Q(PSF) = 167.69

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
24.000		-.1567	-.2119	-.0955	-.0301	.0360	.0982	.1580	.1979	.2175
27.800	-.1835						.0965			
28.700			-.1726							
29.400				-.1054						
30.400								.1602		
31.300					-.0324					
33.800						.0322				
41.000							.0961			
44.800				-.1434				.1620	.1986	
50.100	-.3636	-.3551	-.3243	-.1469	-.0517				.2018	
52.900						.0213				
64.000							.0128			
67.200	-.4415									
71.500								.1213		
72.200					-.2400					
75.900						-.0850				

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TABULATED SOURCE DATA - LA81

PAGE 339

LARC LTPT 229(LA81) WEEVRTC4+SPDBRK+BOTTOM STRUT

(RJPC45)

RN/L ( 1 ) = 4.044 ALPHA ( 4 ) = 4.018

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
82.800							.1263			
92.200							1337			
93.000	-.4917									
93.500								.1811		
94.000				-.2953						
99.100						.0189				
101.400	-.4936		-.4863	-.4750	-.3257				.1988	
103.400	-.4656									
105.900					-.1671					
106.100							.1276			
115.600	-.4566	-.4851	-.5659	-.3420					.2051	
117.600					-.0883					
119.000						.0493				
120.500							.1323			
124.400								.1725		
133.100					-.0618					
133.500						.0555				
133.800	-.5495	-.5173	-.5558	-.2753					.2067	
134.000							.1250			
142.500							.1297			
147.300						.0595				
148.100					-.0614					
149.100	-.5343	-.5283	-.4955	-.2782					.2106	
156.200						.0466				
157.900					-.0876					
159.500	-.6107									
180.000	-.5431	-.4887	-.4237	-.2561	-.0966	.0348	.1289	.1759	.2092	.2175

RN/L ( 1 ) = 4.117 ALPHA ( 5 ) = 6.112 BETA = .00000 MACH = .19983 Q(PSF) = 167.69

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
.000		-.1676	-.2289	-.1123	-.0466	.0194	.0818	.1482	.1899	.2147
24.000							.0803			
27.800	-.1940									
28.700			-.1886							
29.400				-.1204						
30.400								.1480		
31.300					-.0478					
33.800						.0152				
41.000							.0763			
44.800			-.1566					.1482	.1933	

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TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WEEVRTC4+SPDBRK+BOTTOM STRUT

(RJPC45)

RN/L ( 1 ) = 4.117 ALPHA ( 5 ) = 6.112

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
50.100	-.3447	-.3475	-.3368	-.1542	-.0668				.1971	
52.900						.0038				
64.000							.0041			
67.200	-.4600									
71.500								.1119		
72.200					-.2528					
75.900						-.0989				
82.800							.1170			
92.200							.1248			
93.000	-.5123									
93.500								.1743		
94.000				-.3108						
99.100						.0082				
101.400	-.5287		-.5143	-.4959	-.3407				.1999	
103.400	-.4851									
105.900					-.1861					
106.100							.1201			
115.600	-.4927	-.5151	-.5973	-.3763					.1995	
117.600					-.1011					
119.000						.0412				
120.500							1229			
124.400								.1686		
133.100					-.0682					
133.500						.0462				
133.800	-.5779	-.5392	-.5690	-.2831					.2021	
134.000							1224			
142.500							1246			
147.300						.0558				
148.100					-.0598					
149.100	-.5544	-.5446	-.4986	-.2696					.2055	
156.200						.0489				
157.900					-.0814					
159.500	-.6324									
180.000	-.5355	-.4741	-.4248	-.2519	-.0893	.0384	.1271	.1729	.2066	.2147

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WEEVRTC4+SPDBRK+BOTTOM STRUT

(RJPC45)

RN/L (1) = 4.069 ALPHA (6) = 8.579 BETA = .0000 MACH = .19983 Q(PSF) = 167.69

SECTION (1) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.1900	-.2529	-.1359	-.0711	-.0028	.0621	.1346	.1829	.2143
24.000							.0629			
27.800	-.2146									
28.700			-.2132							
29.400				-.1437						
30.400								.1308		
31.300					-.0699					
33.800						-.0053				
41.000							.0536			
44.800				-.1796				.1322	.1838	
50.100	-.3564	-.3793	-.3797	-.1760	-.0896				.1881	
52.900						-.0193				
64.000							-.0174			
67.200	-.5116									
71.500								.1020		
72.200					-.2665					
75.900						-.1140				
82.800							.1077			
92.200							.1134			
93.000	-.5739									
93.500								.1661		
94.000				-.3377						
99.100						-.0043				
101.400	-.6199		-.5972	-.5506	-.3703				.1969	
103.400	-.5385									
105.900					-.2049					
106.100							.1107			
115.600	-.5591	-.5818	-.6511	-.4091					.1974	
117.600					-.1156					
119.000						.0362				
120.500							.1107			
124.400								.1585		
133.100					-.0900					
133.500						.0316				
133.800	-.6261	-.5842	-.5910	-.3079					.1951	
134.000							.1086			
142.500							.1118			
147.300						.0378				
148.100					-.0817					
149.100	-.5916	-.5748	-.5149	-.2850					.1985	
156.200						.0259				
157.900					-.1055					
159.500	-.6717									
180.000	-.6148	-.4745	-.4527	-.2821	-.1179	.0133	.1130	.1706	.1984	.2143

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBE\RTCH+SPDBRK+BOTTOM STRUT

(RJPC45)

RN/L ( 1 ) = 4.107 ALPHA ( 7 ) = 10.452 BETA = .0000 MACH = .19983 Q(PSF) = 167.69

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2000	1.2490	1.2800	1.2870
PHI										
.000		-.1913	-.2627	-.1482	-.0861	-.0201	.0449	.1186	.1752	.2136
24.000							.0433			
27.800	-.2337									
28.700			-.2355							
29.400				-.1611						
30.400								.1207		
31.300					-.0862					
33.800						-.0237				
41.000							.0376			
44.800				-.2020				.1215	.1784	
50.100	-.3542	-.3778	-.3949	-.1989	-.1127				.1828	
52.900						-.0402				
64.000							-.0703			
67.200	-.5331									
71.500								.0854		
72.200					-.2738					
75.900						-.1264				
82.800							.0921			
92.200							.0962			
93.000	-.6133									
93.500								.1508		
94.000				-.3608						
99.100						-.0153				
101.400	-.6499		-.6304	-.5921	-.4024				.1905	
103.400	-.5849									
105.900					-.2224					
106.100							.0978			
115.500	-.5973	-.6227	-.7035	-.4435					.1914	
117.600					-.1310					
119.000						.0221				
120.500							.0985			
124.400								.1442		
133.100					-.1158					
133.500						.0178				
133.800	-.6529	-.6138	-.6132	-.3380					.1919	
134.000							.0319			
142.500							.0389			
147.300						.0149				
148.100					-.1152					
149.100	-.6207	-.6055	-.5469	-.3227					.1931	
155.200						-.0020				
157.900					-.1309					
159.500	-.7034									
180.000	-.6354	-.5034	-.4741	-.3037	-.1441	-.0139	.0915	.1581	.1928	.2136

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBE\RTC4+SPDBRK+BOTTOM STRUT

(RJPC45)

RN/L ( 1 ) = 4.086 ALPHA ( 8 ) = 12.083 BETA = .00000 MACH = .19983 Q(PSF) = 167.69

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.2138	-.2819	-.1749	-.1138	-.0469	.0203	.0949	.1644	.2005
24.000							.099			
27.800	-.2485									
28.700			-.2529							
29.400				-.1840						
30.400								.1005		
31.300					-.1146					
33.800						-.0503				
41.000							.0162			
44.800				-.2250				.1021	.1686	
50.100	-.3669	-.3940	-.4102	-.2188	-.1323				.1687	
52.900						-.0635				
64.000							-.0528			
67.200	-.6370									
71.500								.0607		
72.200					-.2915					
75.900						-.1412				
82.800							.0116			
92.200							.0670			
93.000	-.7278									
93.500								.1264		
94.000				-.3345						
99.100						-.0203				
101.400	-.7074		-.6826	-.6335	-.4344				.1827	
103.400	-.6989									
105.900					-.2272					
106.100							.0542			
115.600	-.6474	-.6720	-.7428	-.4710					.1795	
117.600					-.1520					
119.000						.0021				
120.500							.0702			
124.400								.1196		
133.100					-.1428					
133.500						-.0060				
133.800	-.6933	-.6525	-.6396	-.3658					.1778	
134.000							.0385			
142.500							.0516			
147.300						-.0180				
148.100					-.1588					
149.100	-.6513	-.6364	-.5816	-.3635					.1806	
156.200						-.0503				
157.900					-.1804					
159.500	-.7370									
180.000	-.6649	-.5394	-.5099	-.3481	-.1893	-.0597	.0561	.1383	.1794	.2005

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBE'RTCH+SPDBRK+BOTTOM STRUT

(RJPC46) ( 11 MAR 76 )

## REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

## PARAMETRIC DATA

ELEVON = .000 AILRON = .000  
 SPDBRK = 25.000 MACH = .200

RN/L ( 1 ) = 5.995 ALPHA ( 1 ) = -2.024 BETA = .00100 MACH = .20058 Q(PSF) = 242.56

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE TOP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2 00	1.2490	1.2800	1.2870
PHI										
.000		-.1674	-.2052	-.0773	-.0049	.0609	.1143	.1746	.2105	.2227
24.000							.1148			
27.800	-.1956									
28.700			-.1654							
29.400				-.0899						
30.400								.1741		
31.300					-.0112					
33.800						.0583				
41.000							.1249			
44.800				-.1344				.1748	.2100	
50.100	-.5406	-.3967	-.3238	-.1506	-.0295				.2089	
52.900						.0479				
64.000							.0162			
67.200	-.4309									
71.500								.1376		
72.200					-.2145					
75.900						-.0562				
82.800							.1145			
92.200							.1152			
93.000	-.4687									
93.500								.1886		
94.000				-.2788						
99.100						.0346				
101.400	-.4611		-.4567	-.4548	-.3108				.1988	
103.400	-.4422									
105.900					-.1221					
106.100							.1372			
115.600	-.4285	-.4585	-.5287	-.2939					.2117	
117.600					-.0837					
119.000						.0543				
120.500							.1139			
124.400								.1713		
133.100					-.0885					
133.500						.0534				
133.800	-.5065	-.4851	-.5676	-.3096					.2115	
134.000							.1196			
142.500							.1309			
147.300						.0286				

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVRTC4+SPDBRK+BOTTOM STRUT

(RJPC46)

RN/L ( 1 ) = 5.995 ALPHA ( 1 ) = -2.024

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2000	1.2490	1.2800	1.2870	
PHI											
148.100					-.1318						
149.100	-.4872	-.5007	-.5112	-.3385					.2133		
156.200						-.0103					
157.900					-.1538						
159.500	-.5822										
180.000	-.4651	-.4449	-.4309	-.3007	-.1590	-.0244	.1056	.1864	.2142	.2227	

RN/L ( 1 ) = 5.964 ALPHA ( 2 ) = -.876 BETA = .00700 MACH = .20058 Q(PSF) = 242.56

SECTION ( 1 ) TAIL CONE		DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2000	1.2490	1.2800	1.2870	
PHI											
.000		-.1664	-.2049	-.0786	-.0100	.0581	.1204	.1709	.2103	.2229	
24.000							.1187				
27.800	-.1962										
28.700		-.1679									
29.400			-.0922								
30.400								.1706			
31.300					-.0137						
33.800						.0557					
41.000							.1182				
44.800				-.1370				.1715	.2075		
50.100	-.5387	-.4097	-.3263	-.1509	-.0322				.2080		
52.900						.0438					
64.000							.054				
67.200	-.4373										
71.500								.1357			
72.200					-.2232						
75.900						-.0633					
82.800							.1119				
92.200							.1443				
93.000	-.4772										
93.500								.1890			
94.000				-.2868							
99.100						.0287					
101.400	-.4716		-.4671	-.4617	-.3190				.2012		
103.400	-.4504										
105.900					-.1323						
106.100							.1394				
115.600	-.4354	-.4647	-.5353	-.3027					.2131		
117.600					-.0843						
119.000						.0518					
120.500							.1279				

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 346

LARC LTPT 229(LA81) WBE/RTCH+SPDBRK+BOTTOM STRUT

(RJPC46)

RN/L ( 1 ) = 5.964 ALPHA ( 2 ) = -.876

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
124.400								.1689		
133.100					-.0843					
133.500						.0528				
133.800	-.5164	-.4928	-.5680	-.3065					.2144	
134.000							.1194			
142.500							.1255			
147.300						.0358				
148.100					-.1176					
149.100	-.5002	-.5097	-.5118	-.3312					.2131	
156.200						.0020				
157.900					-.1440					
159.500	-.5913									
180.000	-.4826	-.4563	-.4296	-.2966	-.1516	-.0163	.1097	.1867	.2158	.2229

RN/L ( 1 ) = 5.958 ALPHA ( 3 ) = 2.406 BETA = .00000 MACH = .20058 Q(PSF) = 242.56

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.1583	-.2094	-.0908	-.0226	.0443	.1167	.1653	.2054	.2219
24.000							.1043			
27.800	-.1870									
28.700			-.1727							
29.400				-.1025						
30.400								.1666		
31.300					-.0262					
33.800						.0401				
41.000							.1136			
44.800				-.1428				.1668	.2041	
50.100	-.4940	-.4061	-.3278	-.1536	-.0452				.2041	
52.900						.0275				
64.000							.0117			
67.200	-.4452									
71.500								.1280		
72.200					-.2401					
75.900						-.0792				
82.800							.1339			
92.200							.1116			
93.000	-.4945									
93.500								.1861		
94.000				-.2951						
99.100						.0204				
101.400	-.4943		-.4839	-.4758	-.3291				.2021	

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBE /RTC4+SPDBRK+BOTTOM STRUT

(RJPC46)

RN/L ( 1 ) = 5.958 ALPHA ( 3 ) = 2.406

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
103.400	-.4661									
105.900					-.1600					
106.100							.1367			
115.600	-.4532	-.4829	-.5603	-.3319					.2086	
117.600					-.0870					
119.000						.0489				
120.500							.1358			
124.400								.1724		
133.100					-.0700					
133.500						.0592				
133.800	-.5466	-.5123	-.5649	-.2889					.2127	
134.000							.1268			
142.500							.1332			
147.300						.0538				
148.100					-.0816					
149.100	-.5285	-.5269	-.5036	-.2990					.2114	
156.200						.0367				
157.900					-.1051					
159.500	-.6163									
180.000	-.5342	-.4695	-.4277	-.2704	-.1121	.0226	.1285	.1840	.2127	.2219

RN/L ( 1 ) = 5.939 ALPHA ( 4 ) = 4.028 BETA = .00300 MACH = .20058 Q(PSF) = 242.56

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CP									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.1614	-.2122	-.0974	-.0306	.0363	.0979	.1596	.2014	.2251
24.000							.0374			
27.800	-.1827									
28.700			-.1750							
29.400				-.1077						
30.400								.1634		
31.300					-.0333					
33.800						.0324				
41.000							.0978			
44.800				-.1472				.1647	.2026	
50.100	-.4495	-.3927	-.3274	-.1517	-.0510				.2030	
52.900						.0210				
64.000							.0087			
67.200	-.4492									
71.500								.1241		
72.200					-.2451					
75.900						-.0859				

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TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVTC4+SPOBRK+BOTTOM STRUT

(RJPC46)

RN/L ( 1 ) = 5.939 ALPHA ( 4 ) = 4.028

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

82.800							.1307		
92.200							.1374		
93.000	-.4999								
93.500								.1847	
94.000				-.2993					
99.100						.0180			
101.400	-.5031		-.4927	-.4811	-.3312			.2055	
103.400	-.4740								
105.900					-.1743				
106.100							.1312		
115.600	-.4626	-.4946	-.5758	-.3510				.2066	
117.600					-.0907				
119.000						.0499			
120.500							.1363		
124.400								.1763	
133.100					-.0642				
133.500						.0588			
133.800	-.5603	-.5232	-.5635	-.2812				.2133	
134.000							.1302		
142.500							.1348		
147.300						.0610			
148.100					-.0652				
149.100	-.5417	-.5342	-.4999	-.2834				.2113	
156.200						.0480			
157.900					-.0888				
159.500	-.6234								
180.000	-.5402	-.4834	-.4234	-.2596	-.1015	.0330	.1296	.1816	.2122 .2251

RN/L ( 1 ) = 5.970 ALPHA ( 5 ) = 6.142 BETA = .00300 MACH = .20058 Q(PSF) = 242.56

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.1617	-.2187	-.1074	-.0431	.0236	.0953	.1513	.1983 .2232
24.000							.0358		
27.800	-.1846								
28.700			-.1932						
29.400				-.1167					
30.400								.1538	
31.300					-.0428				
33.800						.0185			
41.000							.0315		
44.800				-.1572				.1569 .2005	

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

PAGE 349

LARC LTPT 229(LA81) WBEVTC4+SPDBRK+BOTTOM STRUT

(RJPC46)

RN/L ( 1 ) = 5.970 ALPHA ( 5 ) = 6.142

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CF

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2103	1.2490	1.2800	1.2870
PHI										
50.100	-.4010	-.3685	-.3302	-.1539	-.0635				.2029	
52.900						.0077				
64.000							.0063			
67.200	-.4668									
71.500								.1199		
72.200					-.2561					
75.900						-.0951				
82.800							.1243			
92.200							.1337			
93.000	-.5240									
93.500								.1800		
94.000				-.3140						
99.100						.0087				
101.400	-.5208		-.5063	-.4920	-.3436				.2106	
103.400	-.4952									
105.900					-.1940					
106.100							.1253			
115.600	-.4832	-.5165	-.6046	-.3791					.2064	
117.600					-.1014					
119.000						.0437				
120.500							.1290			
124.400								.1767		
133.100					-.0679					
133.500						.0516				
133.800	-.5847	-.5395	-.5697	-.2843					.2093	
134.000							.1253			
142.500							.1323			
147.300						.0616				
148.100					-.0595					
149.100	-.5588	-.5460	-.4958	-.2706					.2114	
156.200						.0544				
157.900					-.0791					
159.500	-.6381									
180.000	-.5384	-.4706	-.4216	-.2551	-.0905	.0411	.1371	.1820	.2136	.2232

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVFTC4+SPDBRK+BOTTOM STRUT

- (RJPC46)

RN/L (1) = 5.918 ALPHA (6) = 8.035 BETA = .00000 MACH = .20058 Q(PSF) = 242.56

SECTION (1) TAIL CONE

DEPENDENT VARIABLE CF

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.1698	-.2357	-.1208	-.0580	.0073	.0723	.1420	.1923	.2240
24.000							.0704			
27.800	-.1915									
28.700			-.2072							
29.400				-.1305						
30.400								.1461		
31.300					-.0575					
33.800						.0043				
41.000							.0657			
44.800				-.1702				.1494	.1955	
50.100	-.3871	-.3481	-.3416	-.1643	-.0789				.1989	
52.900						-.0097				
64.000							-.0064			
67.200	-.4978									
71.500								.1092		
72.200					-.2559					
75.800						-.1060				
82.800							.1182			
92.200							.1239			
93.000	-.5560									
93.500								.1733		
94.000				-.3283						
99.100						.0019				
101.400	-.5534		-.5472	-.5233	-.3636				.2117	
103.400	-.5371									
105.900					-.2008					
106.100							.1151			
115.600	-.5236	-.5533	-.6372	-.4091					.2010	
117.600					-.1135					
119.000						.0429				
120.500							.1188			
124.400								.1712		
133.100					-.0845					
133.500						.0379				
133.800	-.6139	-.5659	-.5776	-.3013					.2068	
134.000							.1215			
142.500							.1223			
147.300						.0492				
148.100					-.0683					
149.100	-.5863	-.5706	-.5100	-.2811					.2049	
156.200						.0410				
157.900					-.0911					
159.500	-.6661									
180.000	-.5799	-.4802	-.4366	-.2708	-.1075	.0237	.1223	.1760	.2057	.2240

DATE 05 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVFTC4+SPDBRK+BOTTOM STRUT

(RJPC46)

RN/L ( 1 ) = 5.988 ALPHA ( 7 ) = 10.149 BETA = .00000 MACH = .20058 Q(PSF) = 242.56

SECTION ( 1 ) TAIL CONE	DEPENDENT VARIABLE CF									
X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.1813	-.2519	-.1355	-.0772	-.0128	.0531	.1245	.1853	.2229
24.000							.0494			
27.800	-.2042									
28.700			-.2148							
29.400				-.1461						
30.400								.1259		
31.300					-.0779					
33.800						-.0175				
41.000							.0423			
44.800				-.1919				.1302	.1866	
50.100	-.3845	-.3418	-.3560	-.1797	-.0970				.1880	
52.900						-.0340				
64.000							-.0262			
67.200	-.5323									
71.500								.0974		
72.200					-.2695					
75.900						-.1225				
82.800							.1022			
92.200							.1079			
93.000	-.6196									
93.500								.1644		
94.000				-.3534						
99.100						-.0067				
101.400	-.6175		-.5949	-.5495	-.3869				.2016	
103.400	-.5903									
105.900					-.2267					
106.100							.1057			
115.600	-.5681	-.5885	-.6778	-.4399					.1941	
117.600					-.1344					
119.000						.0226				
120.500							.1012			
124.400								.1576		
133.100					-.1060					
133.500						.0127				
133.800	-.6442	-.5990	-.5954	-.3204					.1968	
134.000							.1062			
142.500							.1031			
147.300						.0284				
148.100					-.0983					
149.100	-.6170	-.5997	-.5333	-.3044					.1970	
156.200						.0080				
157.900					-.1275					
159.500	-.7033									
180.000	-.6276	-.4978	-.4673	-.2975	-.1382	-.0073	.1024	.1704	.1981	.2229



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TABULATED SOURCE DATA - LA81.

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK+BOTTOM STRUT

(RJPC47) ( 11 MAR 76 )

## REFERENCE DATA

## PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO  
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO  
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO  
 SCALE = .0361

ELEVON = .000 AILRON = .000  
 SPOBRK = 25.000 MACH = .200

RN/L ( 1 ) = 8.017 ALPHA ( 1 ) = -2.044 BETA = .00000 MACH = .20049 Q(PSF) = 331.67

## SECTION ( 1 ) TAIL CONE

## DEPENDENT VARIABLE CF

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
.000		-.1707	-.2095	-.0779	-.0068	.0613	.1244	.1722	.2101	.2262
24.000							.1249			
27.800	-.1994									
28.700			-.1684							
29.400				-.0921						
30.400								.1726		
31.300					-.0128					
33.800						.0581				
41.000							.1252			
44.800				-.1406				.1745	.2073	
50.100	-.5341	-.4052	-.3305	-.1532	-.0317				.2066	
52.900						.0462				
64.000							.0160			
67.200	-.4313									
71.500								.1399		
72.200					-.2194					
75.900						-.0592				
82.800							.1463			
92.200							.1452			
93.000	-.4749									
93.500								.1917		
94.000				-.2832						
99.100						.0322				
101.400	-.4663		-.4614	-.4590	-.3157				.2009	
103.400	-.4478									
105.900					-.1272					
106.100							.1368			
115.600	-.4326	-.4667	-.5351	-.2997					.2142	
117.600					-.0860					
119.000						.0531				
120.500							.1262			
124.400								.1736		
133.100					-.0930					
133.500						.0522				
133.800	-.5129	-.4901	-.5735	-.3176					.2145	
134.000							.1203			
142.500							.1149			
147.300						.0240				

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVFTC4+SPDBRK+BOTTOM STRUT

(RJPC47)

RN/L ( 1 ) = 8.017 ALPHA ( 1 ) = -2.044

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CF

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
148.100					-1.1381					
149.100	-4.931	-5.072	-5.5147	-3.451					.2147	
156.200						-0.0183				
157.900					-1.1577					
159.500	-5.893									
180.000	-4.774	-4.392	-4.341	-3.029	-1.674	-0.0301	.0996	.1878	.2140	.2262

RN/L ( 1 ) = 7.981 ALPHA ( 2 ) = -.081 BETA = .00000 MACH = .20049 Q(PSF) = 331.67

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CF

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-1.1660	-2.2102	-0.0858	-0.0142	.0540	.1167	.1695	.2109	.2226
24.000							.1186			
27.800	-2.003									
28.700			-1.1685							
29.400				-0.0954						
30.400								.1678		
31.300					-0.0169					
33.800						.0512				
41.000							.1148			
44.800				-1.1436				.1701	.2058	
50.100	-5.5279	-4.156	-3.3286	-1.1529	-0.0374				.2073	
52.900						.0369				
64.000							.0146			
67.200	-4.383									
71.500								.1345		
72.200					-0.2324					
75.900						-0.0686				
82.800							.1405			
92.200							.1453			
93.000	-4.854									
93.500								.1900		
94.000				-0.2902						
99.100						.0247				
101.400	-4.822		-4.733	-4.714	-3.3288				.1987	
103.400	-4.605									
105.900					-1.1454					
106.100							.1422			
115.600	-4.419	-4.745	-5.491	-3.152					.2127	
117.600					-0.0890					
119.000						.0496				
120.500							.1341			

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DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVI TC4+SPDBRK+BOTTOM STRUT

(RJPC47)

RN/L ( 1 ) = 7.981 ALPHA ( 2 ) = -.081

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

124.400								.1727		
133.100					-.0833					
133.500						.0560				
133.800	-.5293	-.5033	-.5731	-.3082					.2149	
134.000							.1276			
142.500							.1216			
147.300						.0386				
148.100					-.1145					
149.100	-.5119	-.5215	-.5144	-.3301					.2123	
156.200						.0072				
157.900					-.1407					
159.500	-.6067									
180.000	-.5101	-.4642	-.4365	-.2943	-.1470	-.0077	.1132	.1869	.2123	.2226

RN/L ( 1 ) = 7.930 ALPHA ( 3 ) = 2.004 BETA = .00000 MACH = .20049 Q(PSF) = 331.67

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.1614	-.2135	-.0886	-.0219	.0461	.1090	.1657	.2076	.2247
24.000							.1081			
27.800	-.1908									
28.700			-.1701							
29.400				-.1014						
30.400								.1686		
31.300					-.0243					
33.800						.0419				
41.000							.1070			
44.800				-.1466				.1705	.2086	
50.100	-.5076	-.4057	-.3361	-.1530	-.0451			.2063		
52.900						.0293				
64.000							.0158			
67.200	-.4420									
71.500								.1318		
72.200					-.2438					
75.900						-.0791				
82.800							.1390			
92.200							.1474			
93.000	-.4962									
93.500								.1909		
94.000				-.2988						
99.100						.0181				
101.400	-.4948		-.4855	-.4769	-.3330				.2036	

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRTC4+SPDBRK+BOTTOM STRUT

(RJPC47)

RN/L ( 1 ) = 7.930 ALPHA ( 3 ) = 2.004

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CF

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

103.400	-.4689									
105.900					-.1618					
106.100							.1405			
115.600	-.4517	-.4855	-.5609	-.3330					.2112	
117.600					-.0885					
119.000						.0500				
120.500							.1324			
124.400								.1753		
133.100					-.0728					
133.500						.0609				
133.800	-.5469	-.5138	-.5696	-.2957					.2129	
134.000							.1307			
142.500							.1355			
147.300						.0541				
148.100					-.0867					
149.100	-.5291	-.5291	-.5072	-.3065					.2137	
156.200						.0303				
157.900					-.1111					
159.500	-.6171									
180.000	-.5214	-.4883	-.4299	-.2770	-.1217	.0183	.1290	.1870	.2132	.2247

RN/L ( 1 ) = 8.029 ALPHA ( 4 ) = 4.118 BETA = .00000 MACH = .20049 Q(PSF) = 331.67

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CF

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI

.000		-.1585	-.2129	-.0968	-.0321	.0351	.1002	.1603	.2046	.2273
24.000							.0903			
27.800	-.1826									
28.700		-.1781								
29.400			-.1081							
30.400								.1639		
31.300					-.0329					
33.800						.0314				
41.000							.0950			
44.800				-.1509				.1666	.2049	
50.100	-.4670	-.3887	-.3329	-.1506	-.0530				.2053	
52.900						.0191				
64.000							.0116			
67.200	-.4468									
71.500								.1256		
72.200					-.2534					
75.900						-.0913				

DATE 06 MAY 76

TABULATED SOURCE DATA - LA81

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LARC LTPT 229(LA81) WBEVRIC4+SPDBRK+BOTTOM STRUT

(RJPC47)

RN/L ( 1 ) = 8.029 ALPHA ( 4 ) = 4.118

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
82.800							.1322			
92.200							.1436			
93.000	-.5066									
93.500								.1891		
94.000				-.3043						
99.100						.0124				
101.400	-.5046		-.4946	-.4845	-.3377				.2106	
103.400	-.4791									
105.900					-.1824					
106.100							.1349			
115.600	-.4668	-.4998	-.5845	-.3582					.2082	
117.600					-.0913					
119.000						.0508				
120.500							.1403			
124.400								.1822		
133.100					-.0649					
133.500						.0622				
133.800	-.5670	-.5259	-.5684	-.2856					.2149	
134.000							.1355			
142.500							.1406			
147.300						.0643				
148.100					-.0667					
149.100	-.5448	-.5409	-.4997	-.2848					.2166	
156.200						.0485				
157.900					-.0903					
159.500	-.6282									
180.000	-.5385	-.4994	-.4261	-.2627	-.1035	.0360	.1367	.1885	.2172	.2273

RN/L ( 1 ) = 7.940 ALPHA ( 5 ) = 6.283 BETA = .00000 MACH = .20049 Q(PSF) = 331.67

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB .9970 1.0170 1.0550 1.0940 1.1330 1.1710 1.2100 1.2490 1.2800 1.2870

PHI	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
.000		-.1685	-.2213	-.1104	-.0451	.0221	.0857	.1505	.1997	.2261
24.000							.0831			
27.800	-.1848									
28.700			-.1937							
29.400				-.1215						
30.400								.1533		
31.300					-.0476					
33.800						.0180				
41.000							.0752			
44.800				-.1617				.1566	.2018	

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVR1C4+SPDBRK+BOTTOM STRUT

(RJPC47)

RN/L ( 1 ) = 7.940 ALPHA ( 5 ) = 6.283

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
50.100	-.4163	-.3558	-.3357	-.1557	-.0673				.2045	
52.900						.0033				
64.000							.0026			
67.200	-.4720									
71.500								.1183		
72.200					-.2588					
75.900						-.1010				
82.800							.1237			
92.200							.1347			
93.000	-.5329									
93.500								.1848		
94.000				-.3178						
99.100							.0072			
101.400	-.5277		-.5143	-.4967	-.3525				.2077	
103.400	-.5011									
105.900					-.1994					
106.100							.1280			
115.600	-.4915	-.5255	-.6131	-.3890					.2070	
117.600					-.1043					
119.000						.0416				
120.500							.1328			
124.400								.1789		
133.100					-.0724					
133.500						.0539				
133.800	-.5931	-.5494	-.5727	-.2909					.2114	
134.000							.1326			
142.500							.1341			
147.300						.0631				
148.100					-.0616					
149.100	-.5668	-.5555	-.5002	-.2751					.2150	
156.200						.0522				
157.900					-.0831					
159.500	-.6437									
180.000	-.5355	-.4650	-.4222	-.2586	-.0914	.0375	.1385	.1821	.2132	.2261

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OF POOR QUALITY

DATE 06 MAY 76

TABULATED SOURCE DATA - LAB1

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LARC LTPT 229(LAB1) WBEVR1C4+SPDBRK+BOTTOM STRUT

(RJPC47)

RN/L ( 1 ) = 8.037 ALPHA ( 6 ) = 8.112 BETA = .0000 MACH = .20049 Q(PSF) = 331.67

SECTION ( 1 ) TAIL CONE

DEPENDENT VARIABLE CP

X/LB	.9970	1.0170	1.0550	1.0940	1.1330	1.1710	1.2100	1.2490	1.2800	1.2870
PHI										
.000		-.1674	-.2369	-.1238	-.0617	.0042	.0696	.1405	.1947	.2300
24.000							.0677			
27.800	-.1923									
28.700			-.2071							
29.400				-.1337						
30.400								.1422		
31.300					-.0602					
33.800						.0013				
41.000							.0583			
44.800				-.1743				.1492	.2005	
50.100	-.3868	-.3315	-.3470	-.1659	-.0807				.1991	
52.900						-.0152				
64.000							-.0064			
67.200	-.5128									
71.500								.1067		
72.200					-.2635					
75.900						-.1103				
82.800							.1162			
92.200							.1244			
93.000	-.5727									
93.500								.1760		
94.000				-.3410						
99.100						-.0018				
101.400	-.5649		-.5495	-.5208	-.3724				.2083	
103.400	-.5405									
105.900					-.2155					
106.100							.1202			
115.600	-.5286	-.5640	-.6447	-.4169					.2020	
117.600					-.1233					
119.000						.0371				
120.500							.1230			
124.400								.1735		
133.100					-.0882					
133.500						.0379				
133.800	-.6184	-.5730	-.5889	-.3075					.2039	
134.000							.1207			
142.500							.1237			
147.300						.0493				
148.100					-.0749					
149.100	-.5972	-.5792	-.5129	-.2859					.2067	
156.200						.0361				
157.900					-.1026					
159.500	-.6794									
180.000	-.5853	-.4750	-.4456	-.2794	-.1144	.0206	.1234	.1832	.2071	.2300